

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\
 Data File : VN050273.D
 Acq On : 2 Aug 2018 19:04
 Operator : MD\SY
 Sample : VN0802MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802MBSD01

Quant Time: Aug 03 01:16:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	572922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	880294	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	774468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	396496	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	419993	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
35) Dibromofluoromethane	7.59	113	377154	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
50) Toluene-d8	10.09	98	1335651	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.40	95	427628	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.85	85	168947	20.52	ug/l	100
3) Chloromethane	2.06	50	164477	18.38	ug/l	99
4) Vinyl Chloride	2.18	62	183968	19.52	ug/l	98
5) Bromomethane	2.56	94	64946	11.64	ug/l	99
6) Chloroethane	2.70	64	106802	18.87	ug/l	95
7) Trichlorofluoromethane	3.01	101	255370	20.92	ug/l	100
8) Diethyl Ether	3.41	74	90133	22.15	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	150179	20.46	ug/l	99
10) Methyl Iodide	3.95	142	87447	9.28	ug/l	99
11) Tert butyl alcohol	4.81	59	84869	144.30	ug/l	99
12) 1,1-Dichloroethene	3.73	96	135255	20.48	ug/l	97
13) Acrolein	3.61	56	97077	205.43	ug/l	98
14) Allyl chloride	4.32	41	217908	21.28	ug/l	96
15) Acrylonitrile	5.00	53	315353	122.89	ug/l	99
16) Acetone	3.82	43	244635	127.80	ug/l	100
17) Carbon Disulfide	4.05	76	356055	17.60	ug/l	99
18) Methyl Acetate	4.33	43	245250	32.93	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	415143	23.59	ug/l	99
20) Methylene Chloride	4.55	84	162002	22.16	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	142539	20.37	ug/l	98
22) Diisopropyl ether	5.96	45	480337	23.66	ug/l	98
23) Vinyl Acetate	5.90	43	1606003	111.94	ug/l	100
24) 1,1-Dichloroethane	5.85	63	288873	21.76	ug/l	100
25) 2-Butanone	6.85	43	389408	127.72	ug/l	100
26) 2,2-Dichloropropane	6.83	77	182499	18.07	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	166479	22.10	ug/l	97
28) Bromochloromethane	7.20	49	127325	21.03	ug/l	99
29) Tetrahydrofuran	7.22	42	256590	130.23	ug/l	99
30) Chloroform	7.37	83	296649	21.90	ug/l	100
31) Cyclohexane	7.66	56	219143	19.86	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	248025	21.40	ug/l	99
36) 1,1-Dichloropropene	7.80	75	200664	20.23	ug/l	100
37) Ethyl Acetate	6.94	43	165999	24.01	ug/l	99
38) Carbon Tetrachloride	7.78	117	219132	20.82	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	194773	19.09	ug/l	99
40) Benzene	8.05	78	645980	21.40	ug/l	100
41) Methacrylonitrile	7.22	41	242865	66.48	ug/l #	10
42) 1,2-Dichloroethane	8.13	62	215590	21.41	ug/l	100
43) Isopropyl Acetate	8.17	43	442026	33.55	ug/l #	87
44) Trichloroethene	8.84	130	162703	20.06	ug/l	98
45) 1,2-Dichloropropane	9.12	63	173846	21.75	ug/l	99
46) Dibromomethane	9.21	93	110325	22.23	ug/l	99
47) Bromodichloromethane	9.41	83	228190	21.78	ug/l	98
48) Methyl methacrylate	9.20	41	143485	24.09	ug/l	100
49) 1,4-Dioxane	9.21	88	43891	541.58	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	877032	129.02	ug/l	99
52) Toluene	10.16	92	390347	21.91	ug/l	100
53) t-1,3-Dichloropropene	10.39	75	211399	21.39	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	238114	21.08	ug/l	98
55) 1,1,2-Trichloroethane	10.57	97	159438	22.56	ug/l	98
56) Ethyl methacrylate	10.43	69	193436	21.42	ug/l	99
57) 1,3-Dichloropropane	10.71	76	259176	22.52	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	405045	96.01	ug/l	100
59) 2-Hexanone	10.76	43	586654	120.19	ug/l	99
60) Dibromochloromethane	10.90	129	176154	22.52	ug/l	99
61) 1,2-Dibromoethane	11.01	107	152989	21.82	ug/l	97
64) Tetrachloroethene	10.63	164	144676	19.43	ug/l	99
65) Chlorobenzene	11.44	112	416419	21.29	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	165684	22.04	ug/l	99
67) Ethyl Benzene	11.52	91	684100	21.77	ug/l	100
68) m/p-Xylenes	11.62	106	532151	44.77	ug/l	99
69) o-Xylene	11.95	106	253088	22.34	ug/l	100
70) Styrene	11.97	104	412729	21.03	ug/l	100
71) Bromoform	12.13	173	126555	23.15	ug/l #	100
73) Isopropylbenzene	12.25	105	676755	22.01	ug/l	100
74) N-amyl acetate	12.07	43	220034	23.41	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	220188	25.96	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	250033	33.93	ug/l #	100
77) Bromobenzene	12.53	156	180108	21.13	ug/l	97
78) n-propylbenzene	12.59	91	761040	22.14	ug/l	100
79) 2-Chlorotoluene	12.68	91	472268	22.17	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	556597	23.01	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	52328	22.52	ug/l	97
82) 4-Chlorotoluene	12.78	91	467347	22.15	ug/l	99
83) tert-Butylbenzene	13.00	119	471695	22.35	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	570687	23.41	ug/l	99
85) sec-Butylbenzene	13.17	105	631759	22.40	ug/l	100
86) p-Isopropyltoluene	13.29	119	533474	22.45	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	310687	21.50	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	300554	21.34	ug/l	98
89) n-Butylbenzene	13.62	91	408097	20.88	ug/l	99
90) Hexachloroethane	13.88	117	108962	20.65	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	313173	21.68	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34054	24.44	ug/l	94

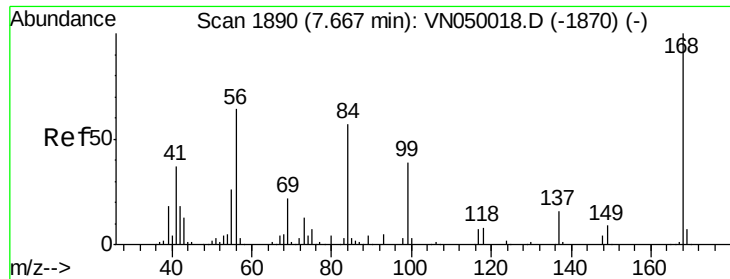
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	133797	19.48	ug/l	97
94) Hexachlorobutadiene	15.01	225	91971	20.80	ug/l	98
95) Naphthalene	15.14	128	312698	20.16	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	143562	20.60	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampled :

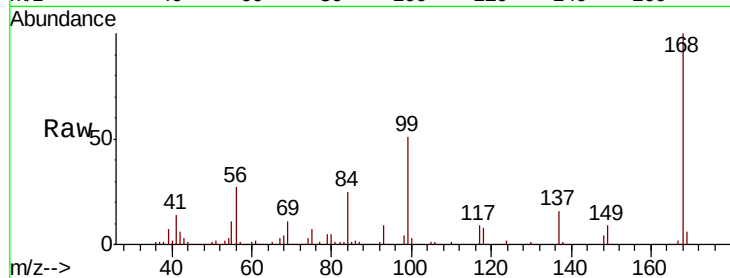
VN0802MBSD01

Tot Ion:168 Resp: 572922

Ion Ratio Lower Upper

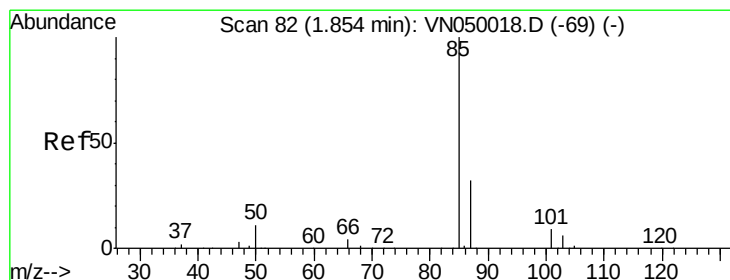
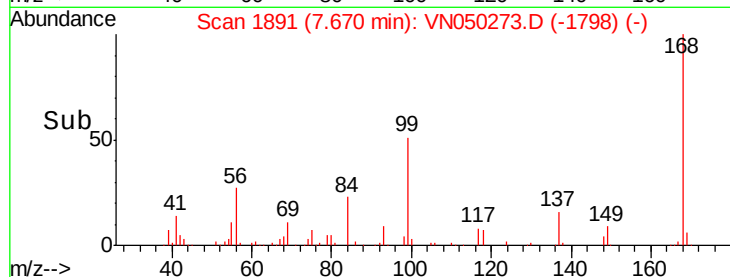
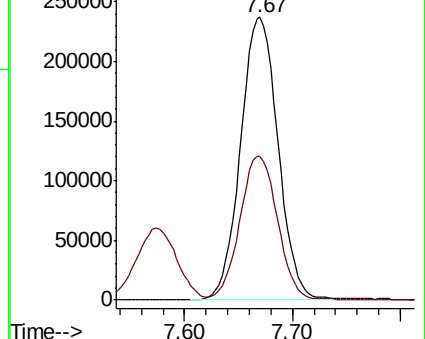
168 100

99 50.4 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 20.52 ug/l

RT: 1.85 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN050273.D

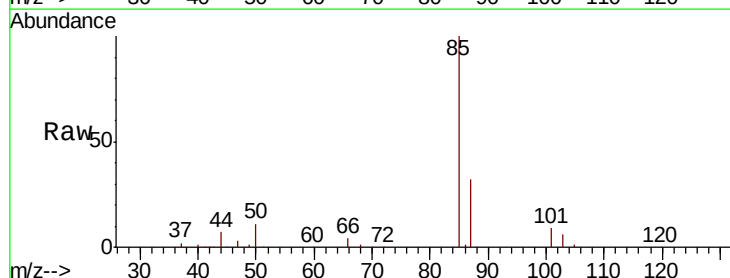
Acq: 2 Aug 2018 19:04

Tgt Ion: 85 Resp: 168947

Ion Ratio Lower Upper

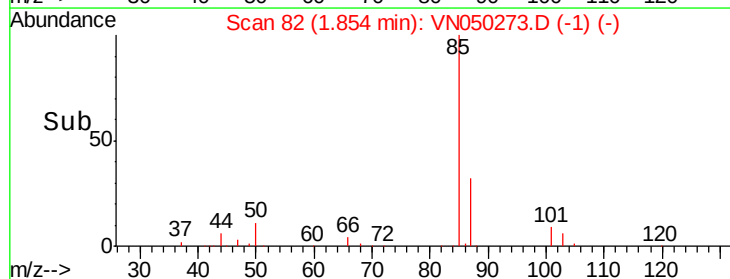
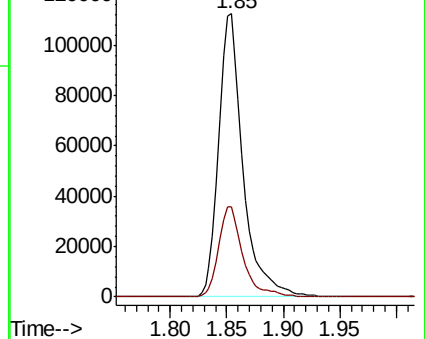
85 100

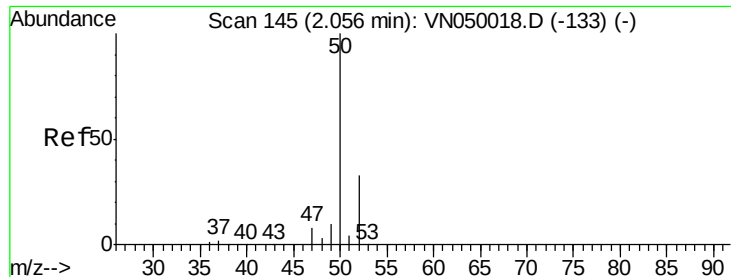
87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 18.38 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

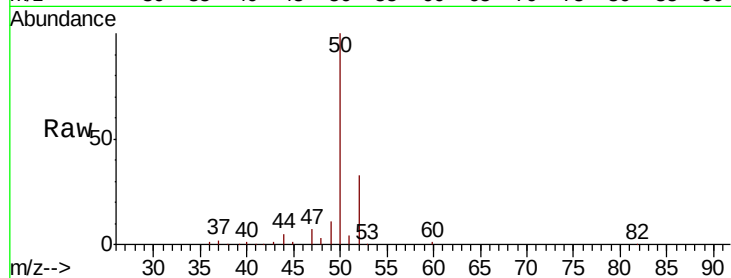
VN0802MBSD01

Tot Ion: 50 Resp: 164477

Ion Ratio Lower Upper

50 100

52 32.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

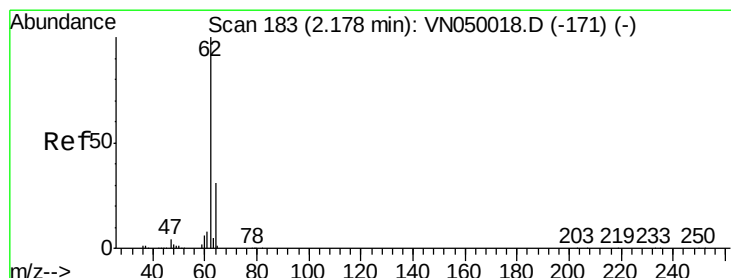
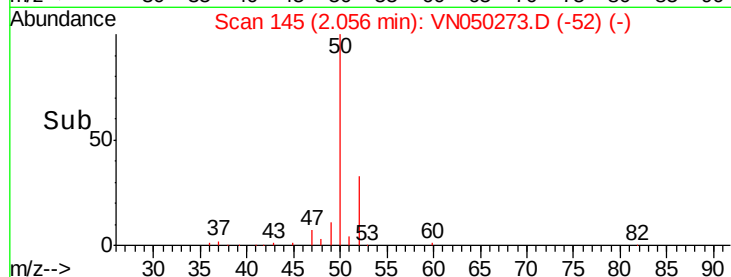
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 19.52 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN050273.D

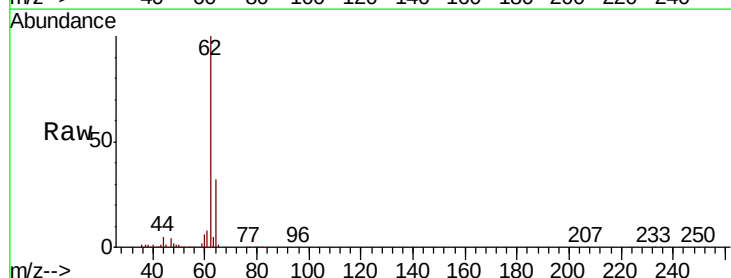
Acq: 2 Aug 2018 19:04

Tgt Ion: 62 Resp: 183968

Ion Ratio Lower Upper

62 100

64 32.0 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

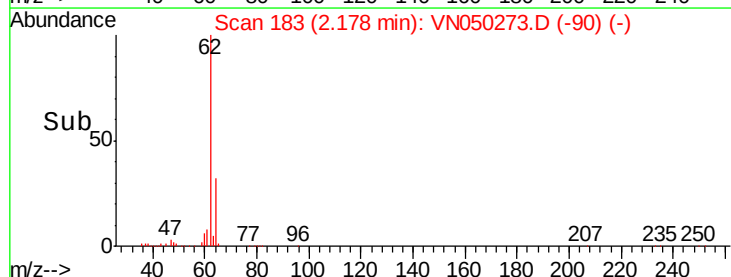
2.18

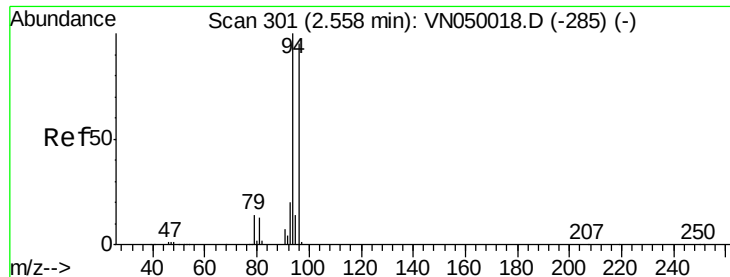
100000

50000

0

Time-->





#5

Bromomethane

Concen: 11.64 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

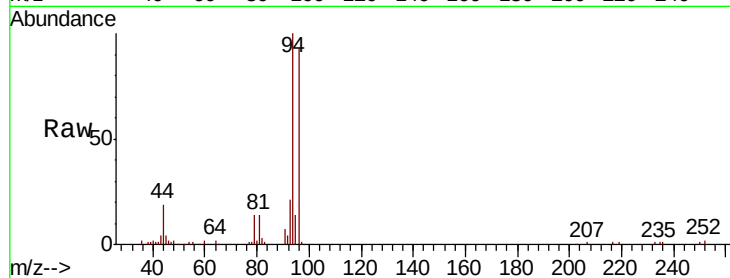
VN0802MBSD01

Tot Ion: 94 Resp: 64946

Ion Ratio Lower Upper

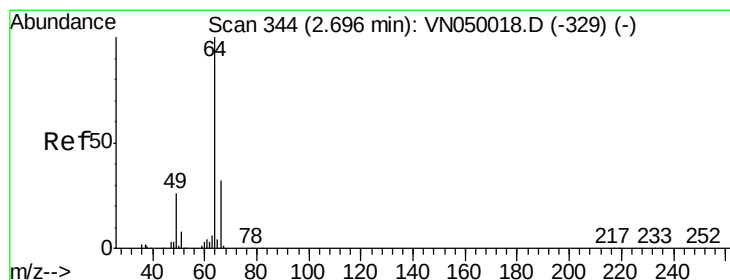
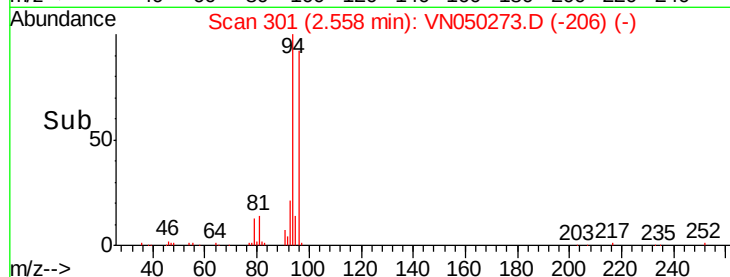
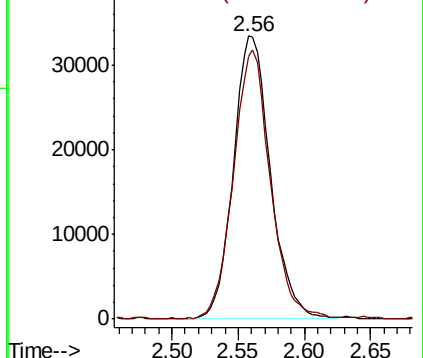
94 100

96 92.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.87 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050273.D

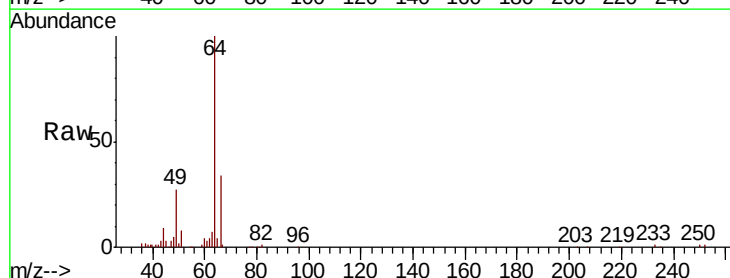
Acq: 2 Aug 2018 19:04

Tgt Ion: 64 Resp: 106802

Ion Ratio Lower Upper

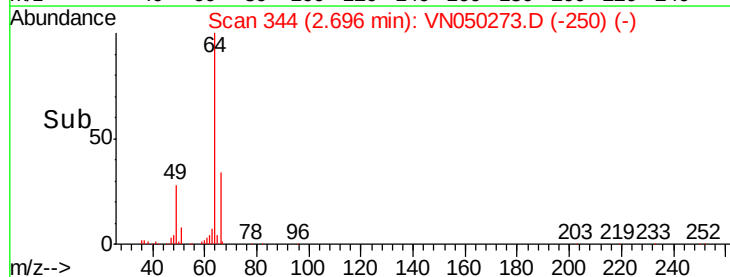
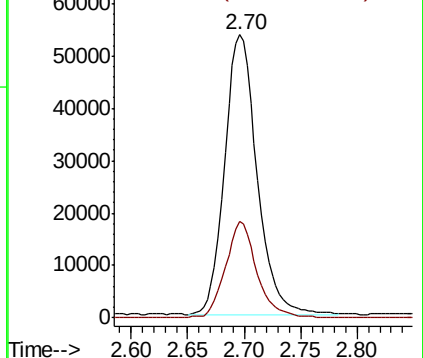
64 100

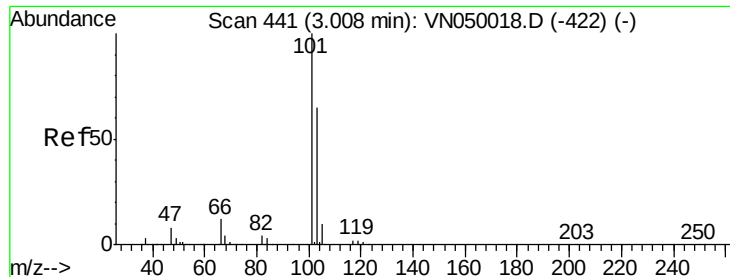
66 34.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



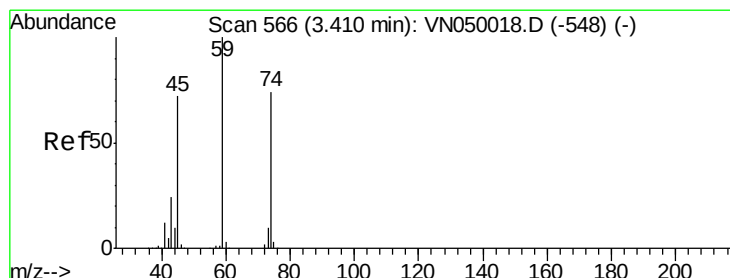
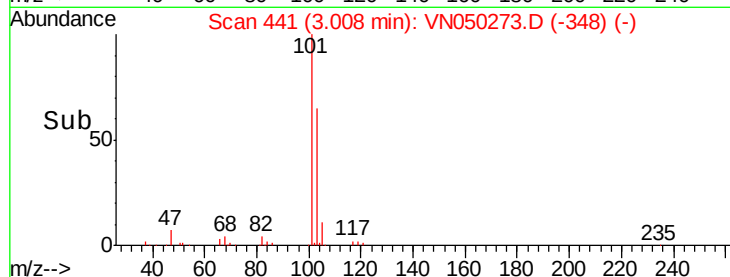
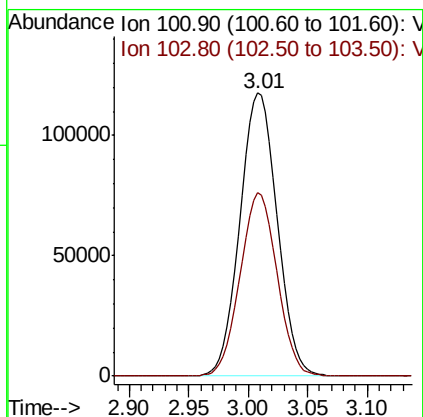
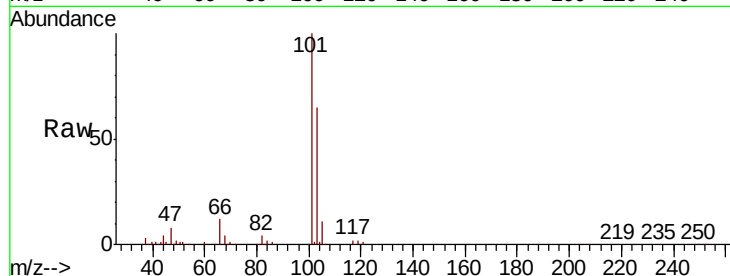


#7

Trichlorofluoromethane
 Concen: 20.92 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VN050273.D
 Acq: 2 Aug 2018 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802MBSD01

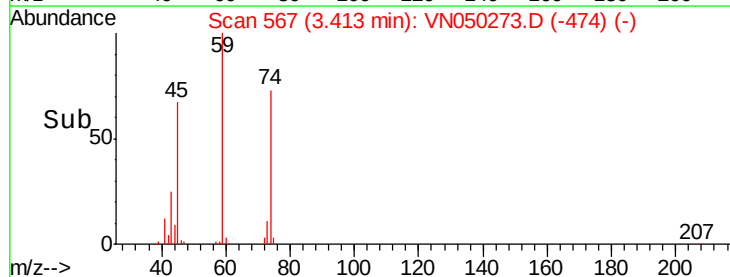
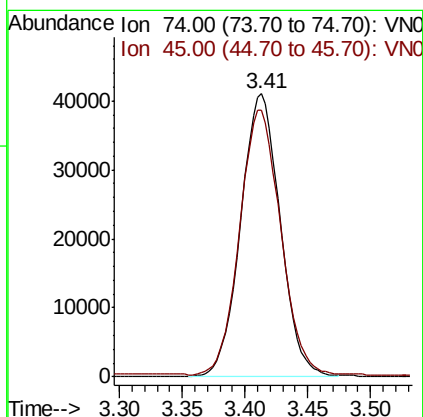
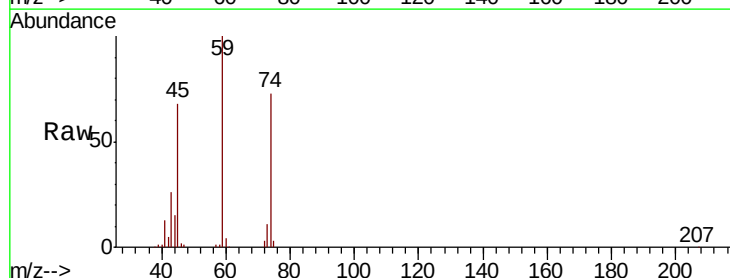
Tot Ion:101 Resp: 255370
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.7 77.5

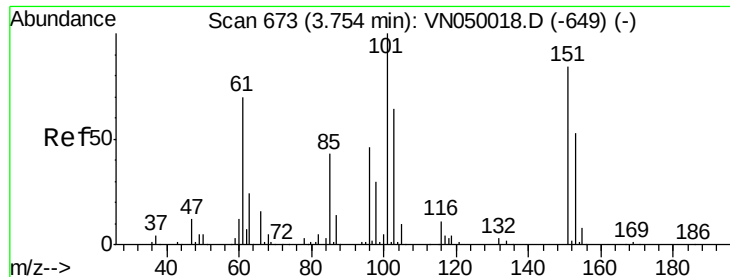


#8

Diethyl Ether
 Concen: 22.15 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050273.D
 Acq: 2 Aug 2018 19:04

Tgt Ion: 74 Resp: 90133
 Ion Ratio Lower Upper
 74 100
 45 97.5 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.46 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0802MBSD01

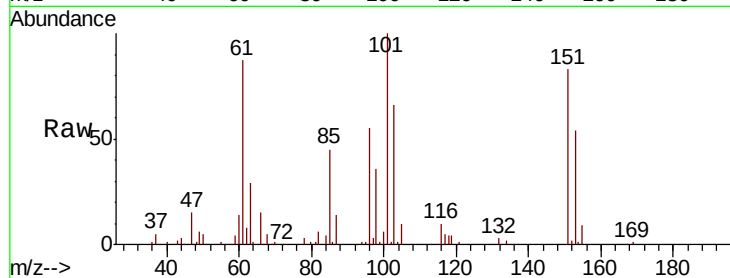
Tot Ion:101 Resp: 150179

Ion Ratio Lower Upper

101 100

85 43.4 34.2 51.2

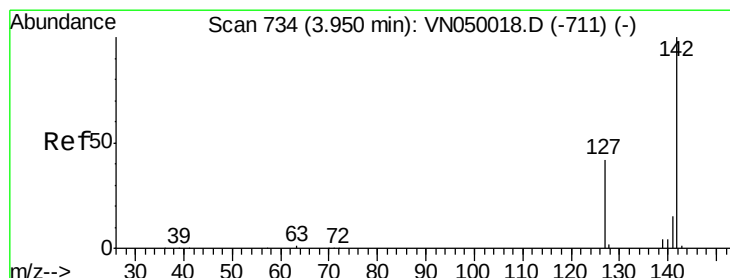
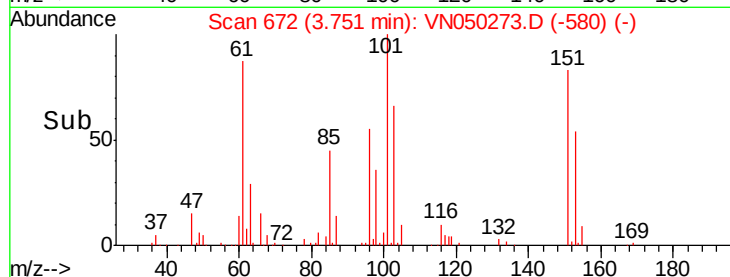
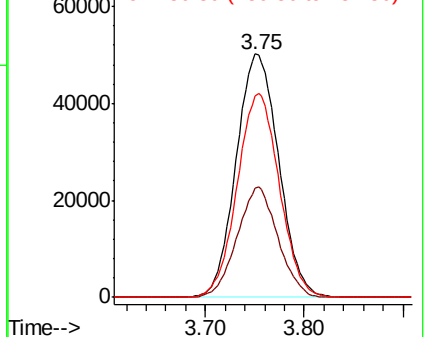
151 82.7 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.28 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

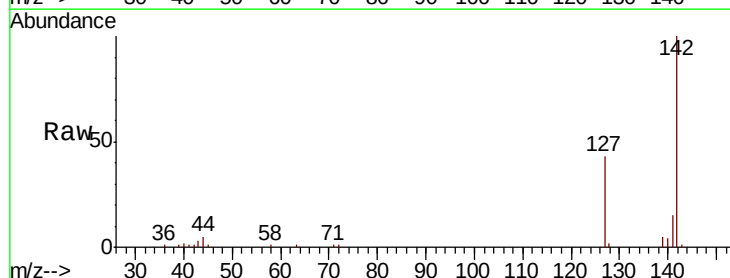
Tgt Ion:142 Resp: 87447

Ion Ratio Lower Upper

142 100

127 42.0 33.4 50.2

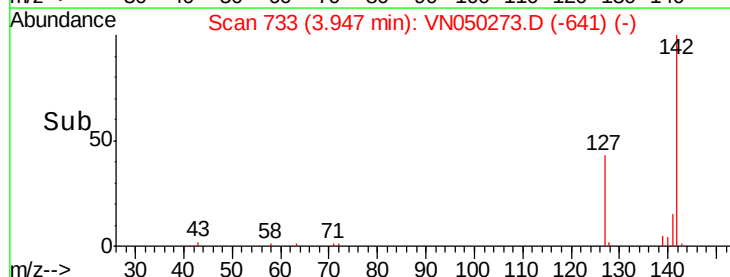
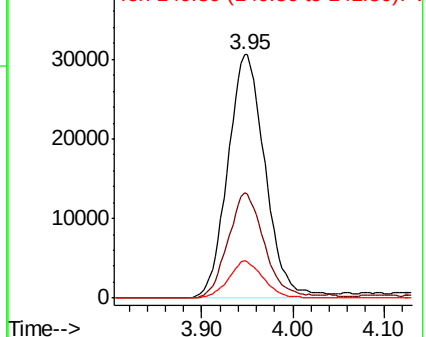
141 14.1 11.6 17.4

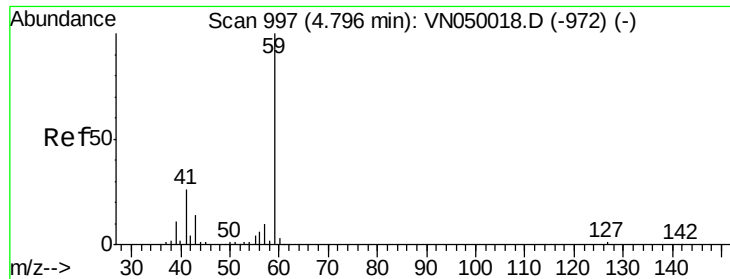


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



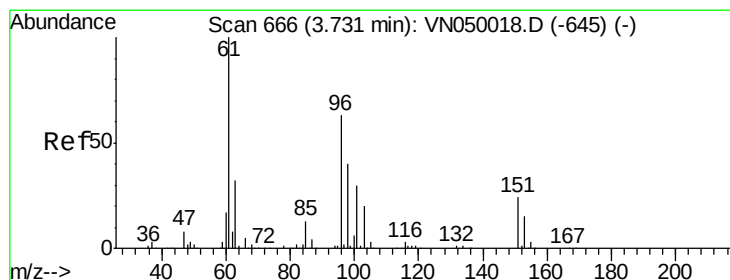
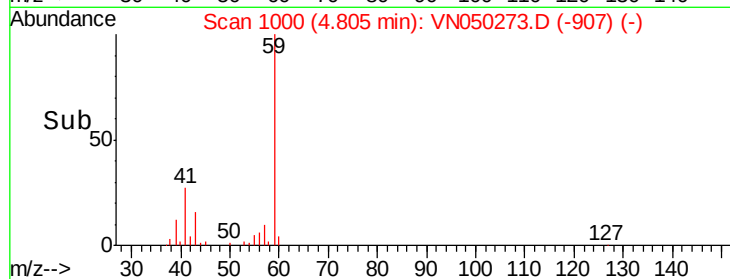
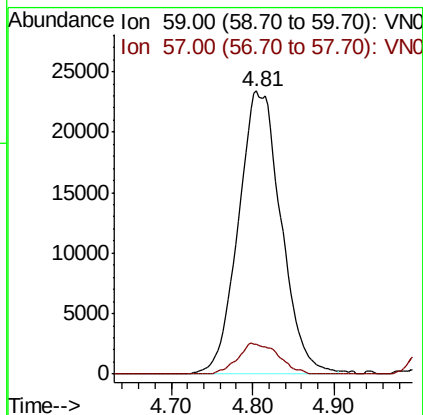
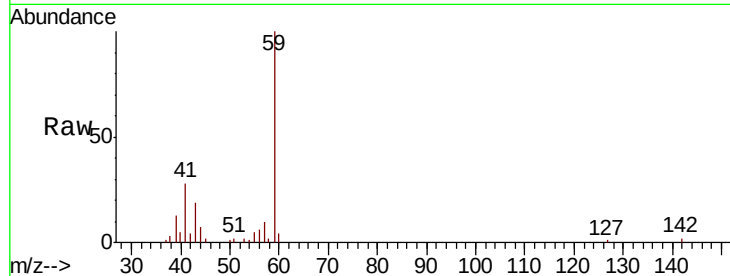


#11

Tert butyl alcohol
 Concen: 144.30 ug/l
 RT: 4.81 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN050273.D
 Acq: 2 Aug 2018 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802MBSD01

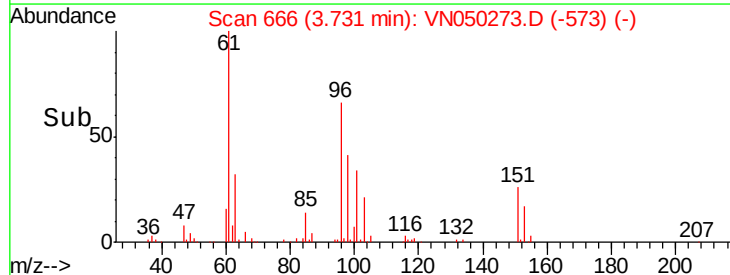
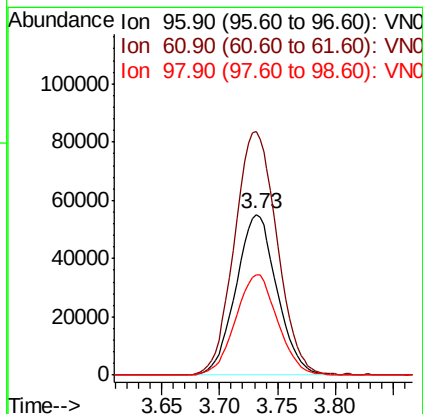
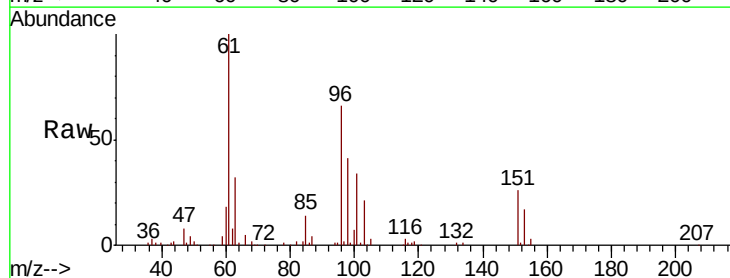
Tot Ion: 59 Resp: 84869
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.5 12.7

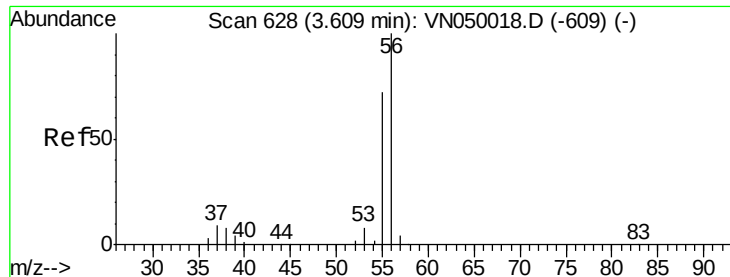


#12

1,1-Dichloroethene
 Concen: 20.48 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN050273.D
 Acq: 2 Aug 2018 19:04

Tgt Ion: 96 Resp: 135255
 Ion Ratio Lower Upper
 96 100
 61 151.4 124.4 186.6
 98 62.7 48.3 72.5





#13

Acrolein

Concen: 205.43 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

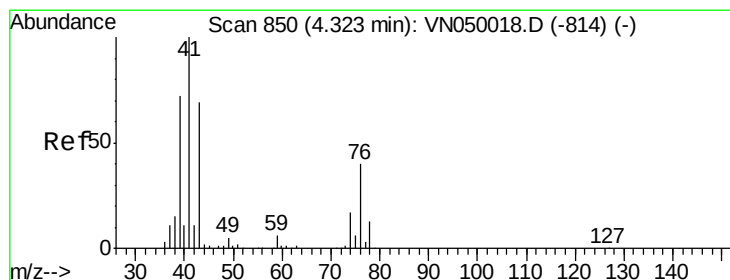
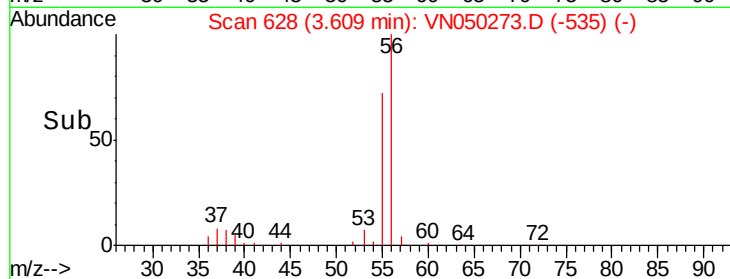
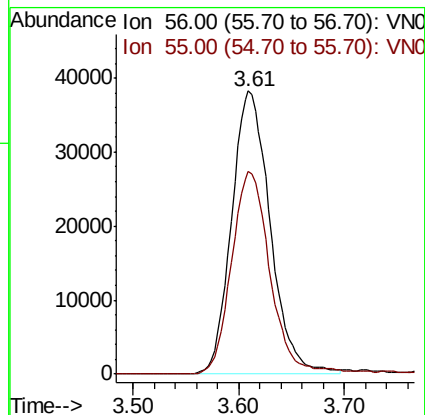
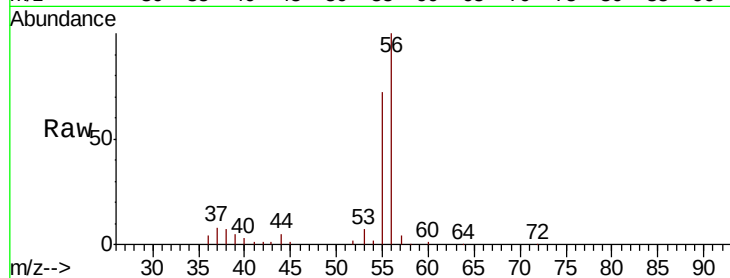
VN0802MBSD01

Tot Ion: 56 Resp: 97077

Ion Ratio Lower Upper

56 100

55 71.3 55.8 83.6



#14

Allyl chloride

Concen: 21.28 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

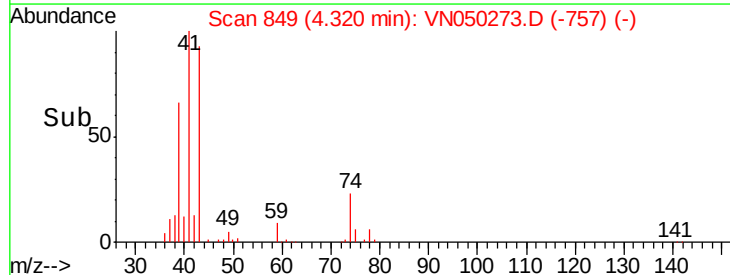
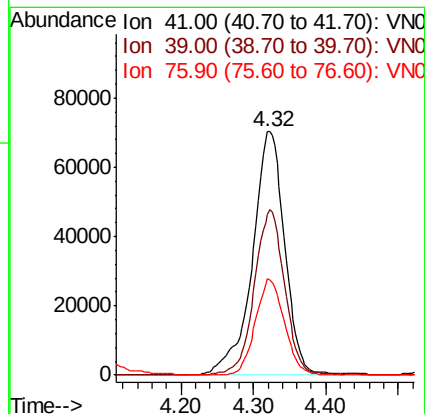
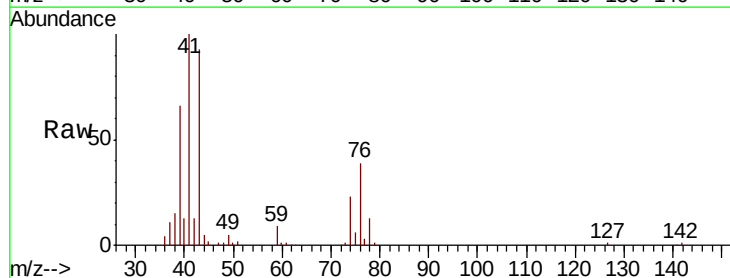
Tgt Ion: 41 Resp: 217908

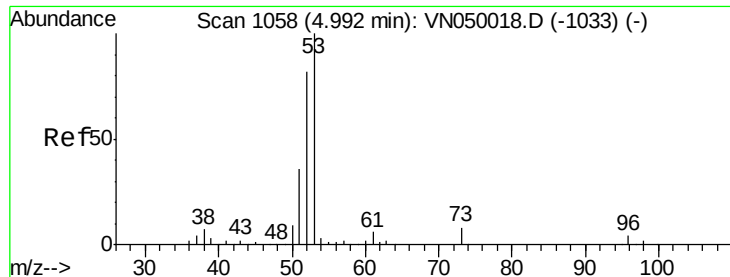
Ion Ratio Lower Upper

41 100

39 63.8 54.2 81.4

76 35.7 29.0 43.6





#15

Acrylonitrile

Concen: 122.89 ug/l

RT: 5.00 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0802MBSD01

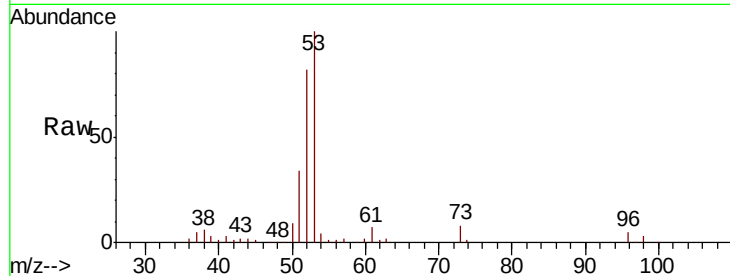
Tot Ion: 53 Resp: 315353

Ion Ratio Lower Upper

53 100

52 83.6 66.2 99.2

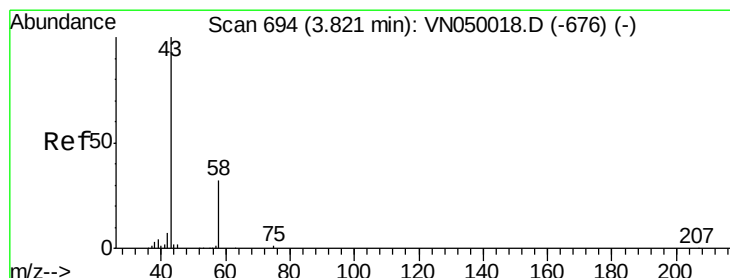
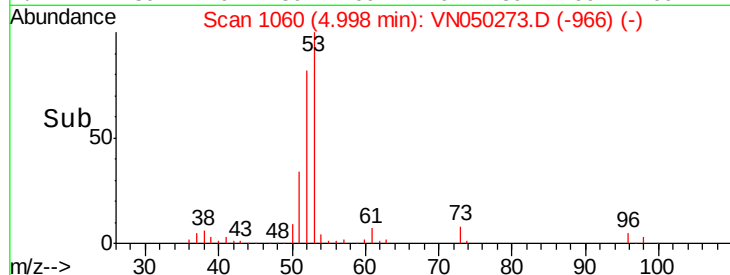
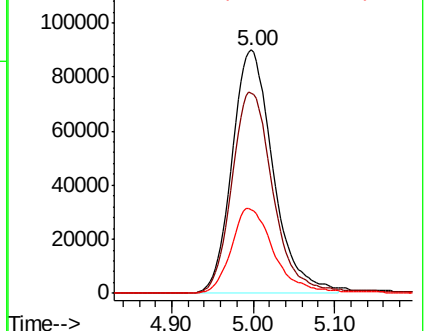
51 36.3 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 127.80 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050273.D

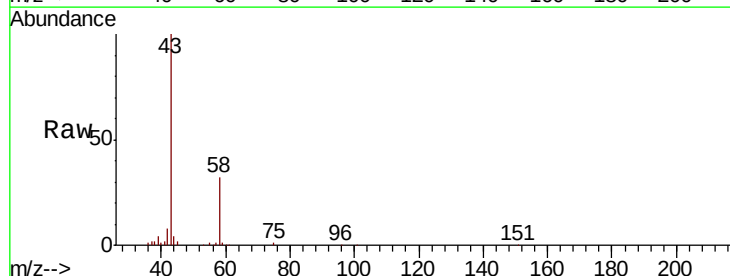
Acq: 2 Aug 2018 19:04

Tgt Ion: 43 Resp: 244635

Ion Ratio Lower Upper

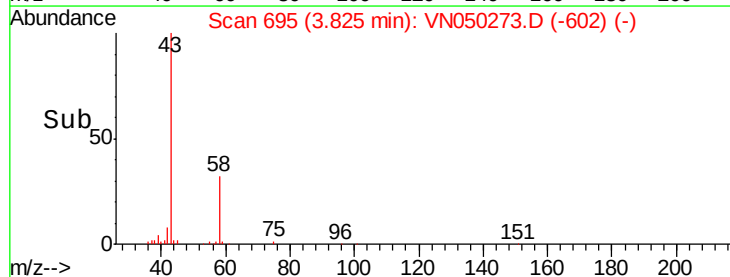
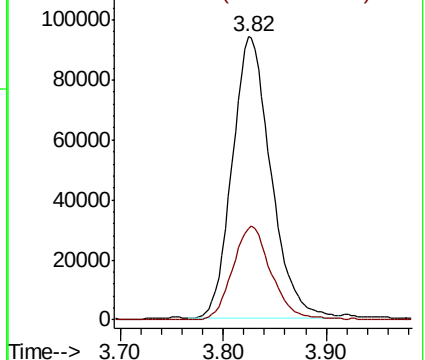
43 100

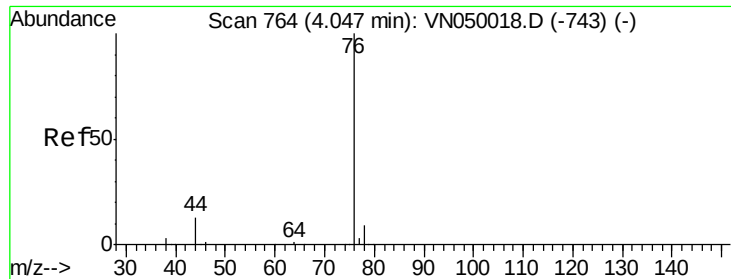
58 32.6 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

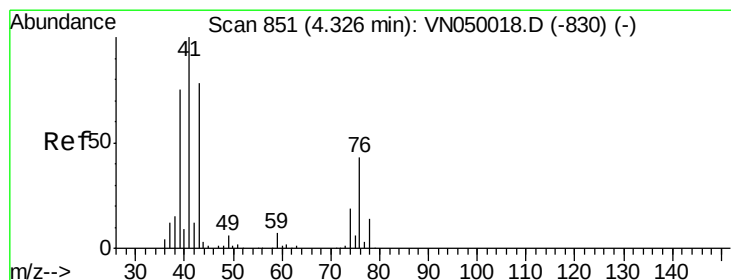
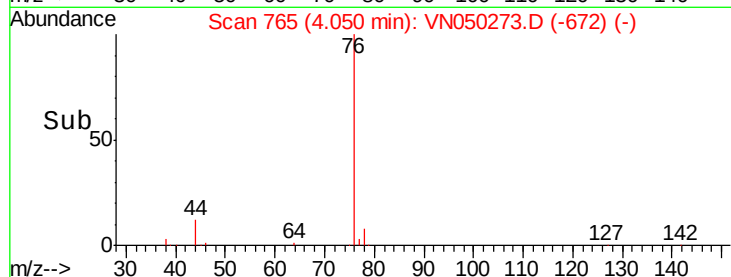
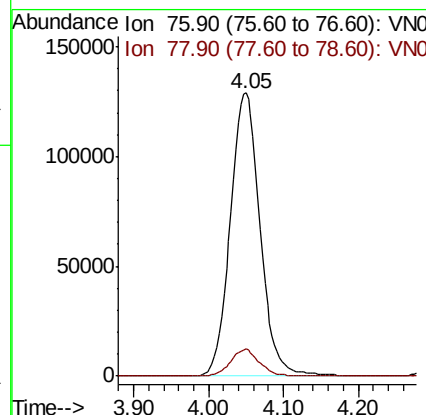
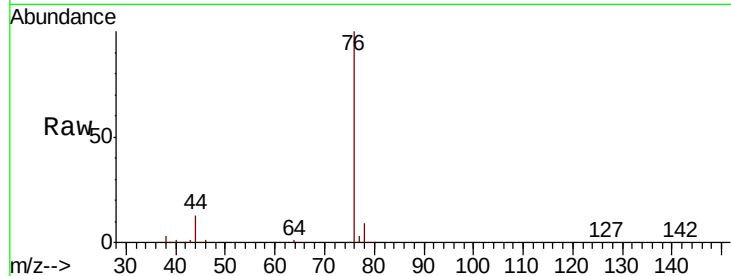




#17
Carbon Disulfide
Concen: 17.60 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

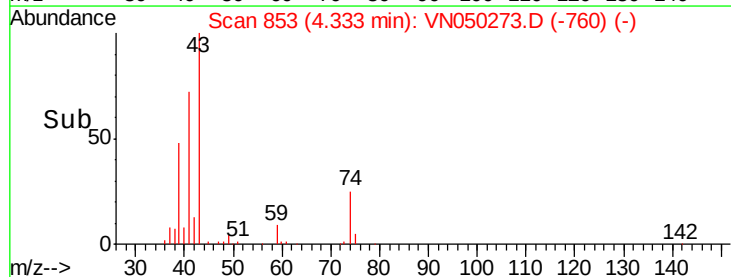
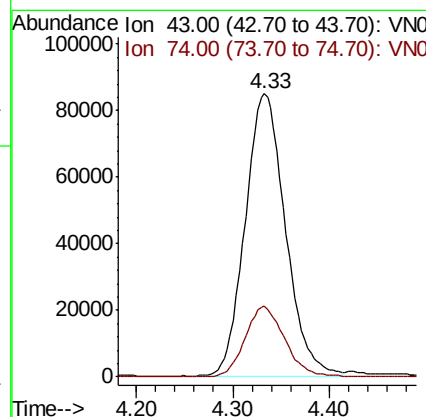
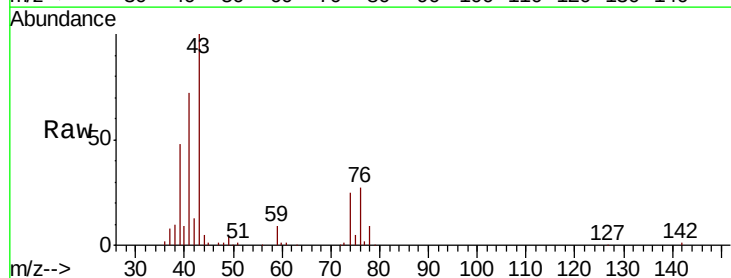
Instrument :
MSVOA_N
ClientSampleId :
VN0802MBSD01

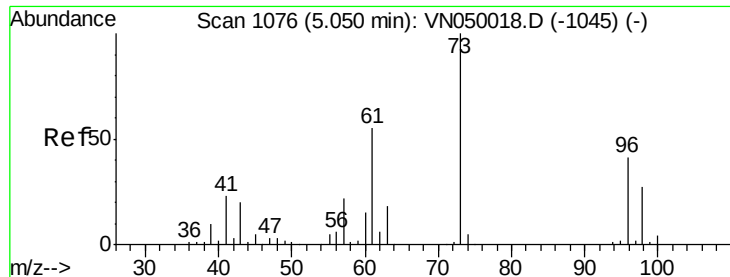
Tot Ion: 76 Resp: 356055
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9



#18
Methyl Acetate
Concen: 32.93 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

Tgt Ion: 43 Resp: 245250
Ion Ratio Lower Upper
43 100
74 24.6 19.2 28.8

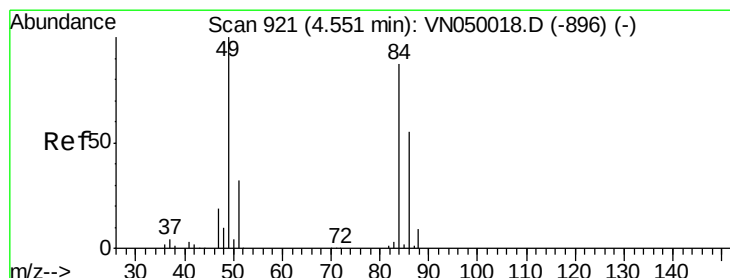
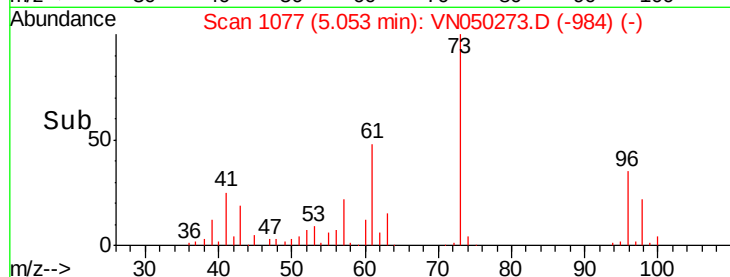
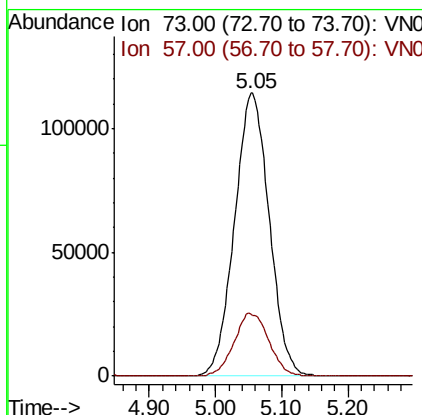
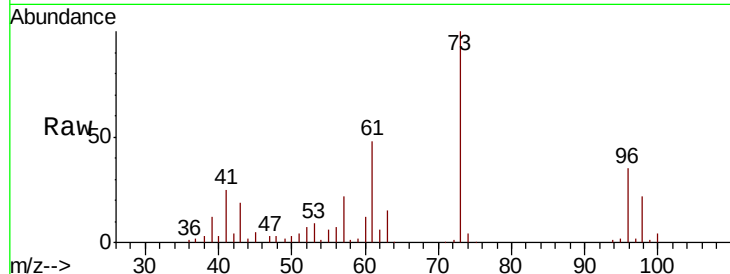




#19
Methyl tert-butyl Ether
Concen: 23.59 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

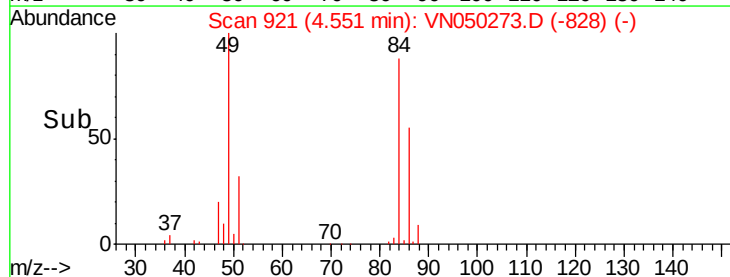
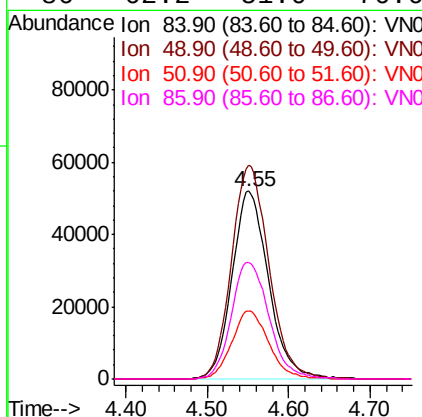
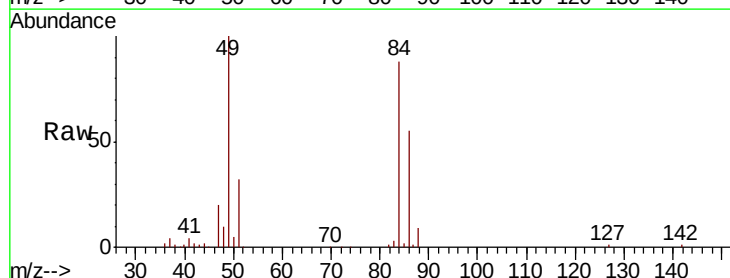
Instrument :
MSVOA_N
ClientSampled :
VN0802MBSD01

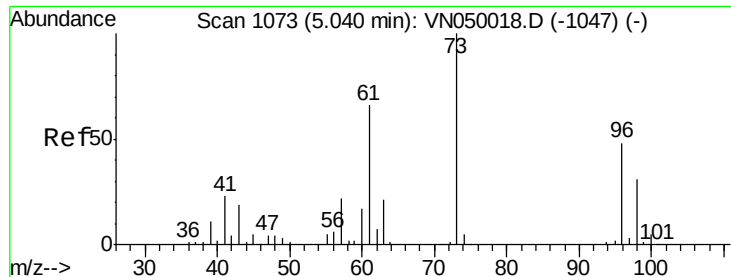
Tot Ion: 73 Resp: 415143
Ion Ratio Lower Upper
73 100
57 22.0 18.0 27.0



#20
Methylene Chloride
Concen: 22.16 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

Tgt Ion: 84 Resp: 162002
Ion Ratio Lower Upper
84 100
49 113.8 94.8 142.2
51 36.1 28.3 42.5
86 62.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.37 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0802MBSD01

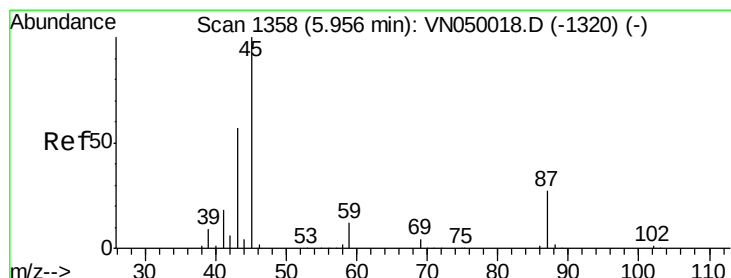
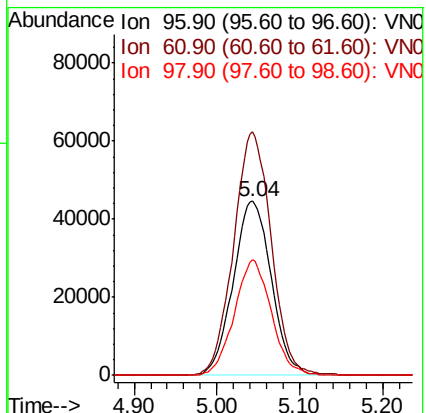
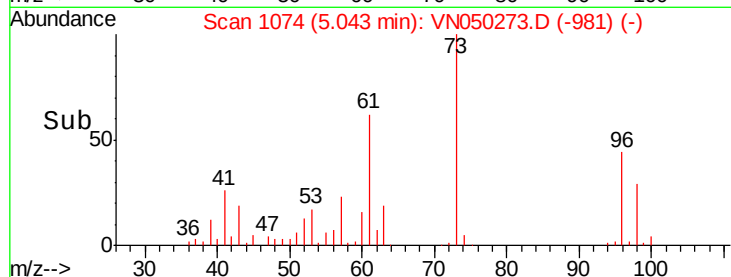
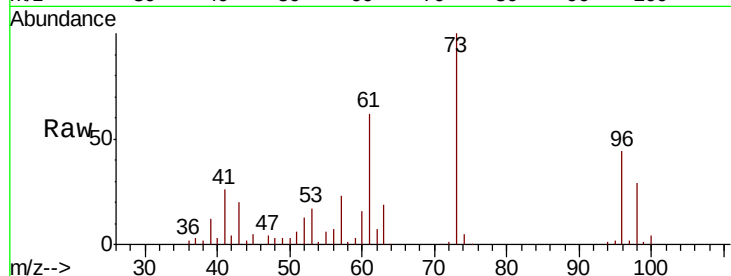
Tot Ion: 96 Resp: 142539

Ion Ratio Lower Upper

96 100

61 139.9 110.7 166.1

98 66.5 51.6 77.4



#22

Diisopropyl ether

Concen: 23.66 ug/l

RT: 5.96 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Tgt Ion: 45 Resp: 480337

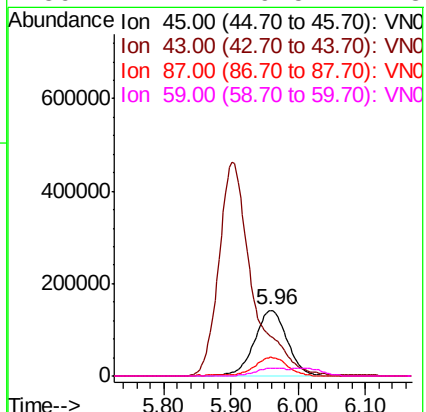
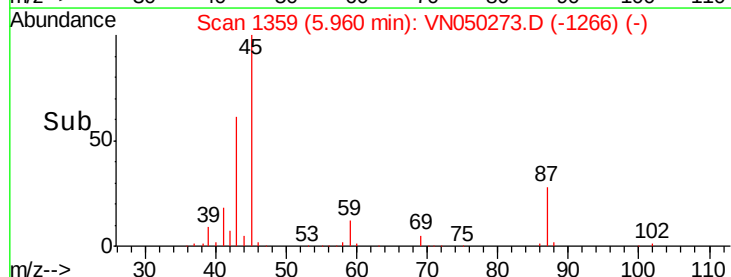
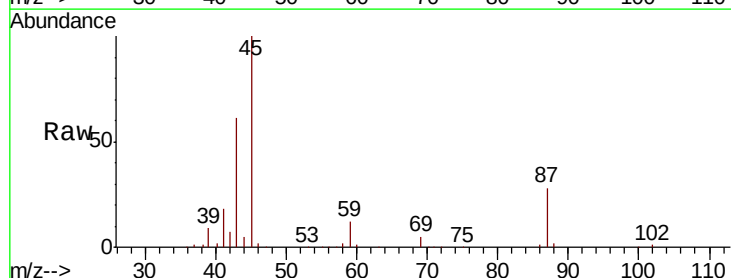
Ion Ratio Lower Upper

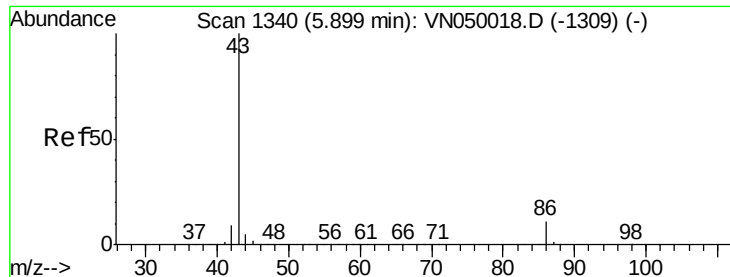
45 100

43 59.8 45.7 68.5

87 28.2 22.7 34.1

59 11.7 9.5 14.3





#23

Vinyl Acetate

Concen: 111.94 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

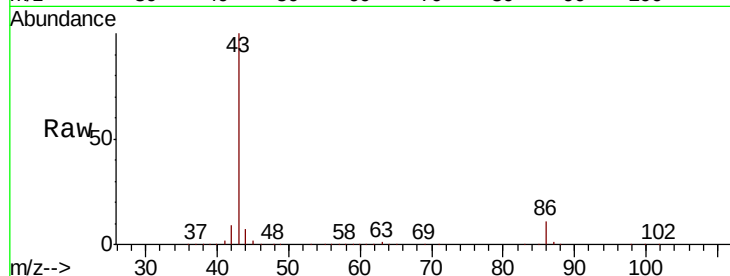
VN0802MBSD01

Tot Ion: 43 Resp: 1606003

Ion Ratio Lower Upper

43 100

86 10.7 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

300000

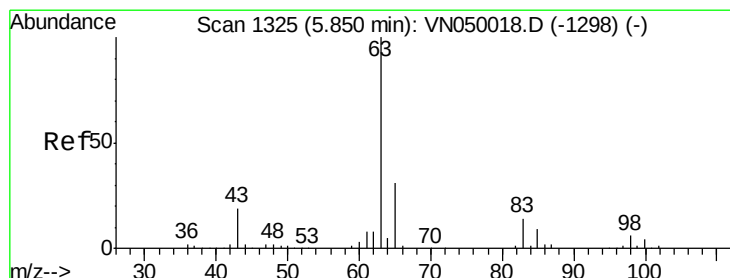
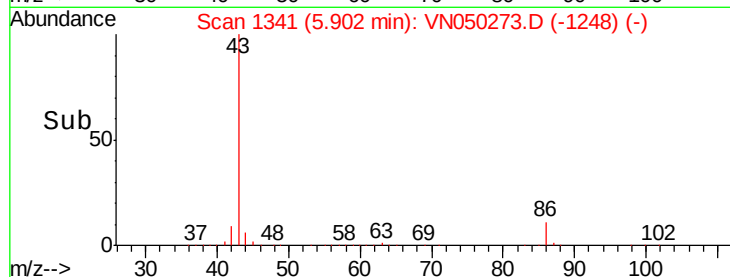
200000

100000

0

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 21.76 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

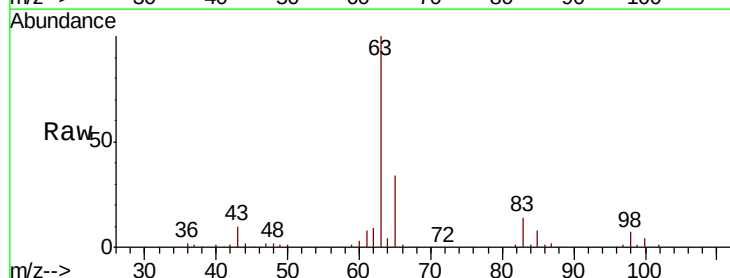
Tgt Ion: 63 Resp: 288873

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.3 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

120000

100000

80000

60000

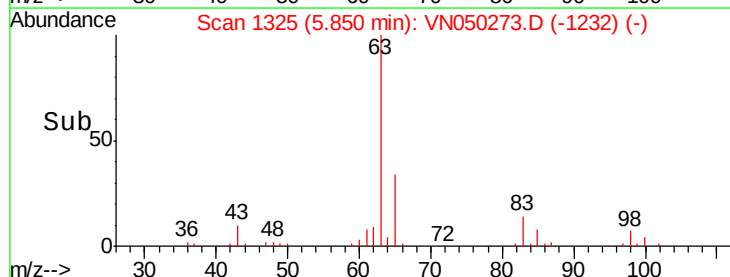
40000

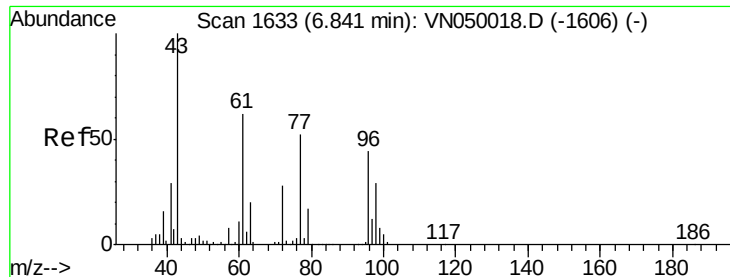
20000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 127.72 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

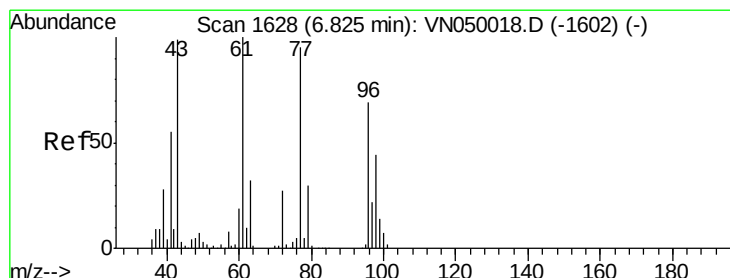
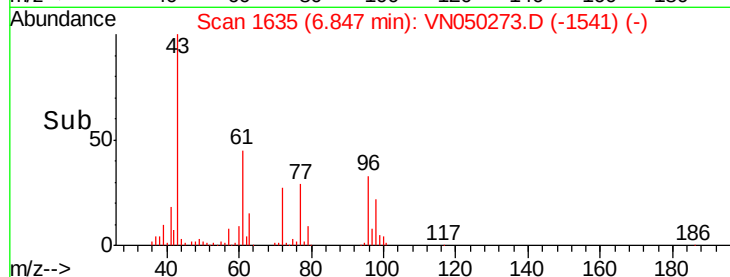
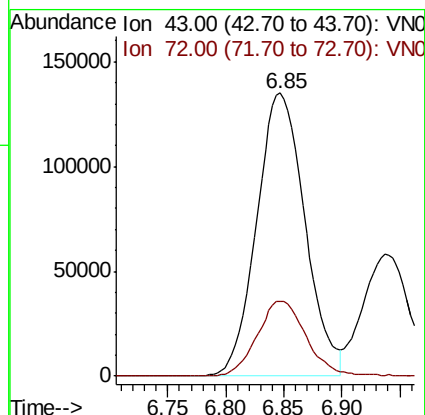
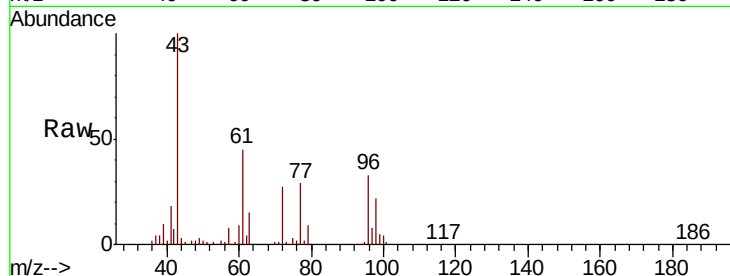
VN0802MBSD01

Tot Ion: 43 Resp: 389408

Ion Ratio Lower Upper

43 100

72 26.7 21.5 32.3



#26

2,2-Dichloropropane

Concen: 18.07 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050273.D

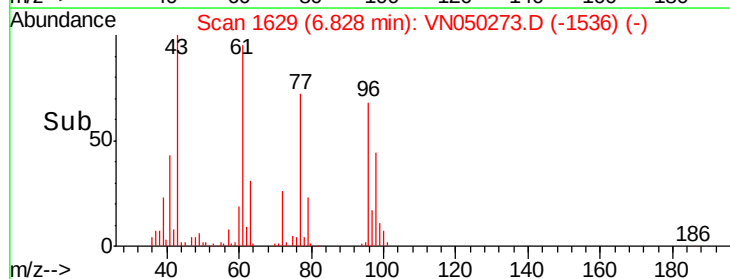
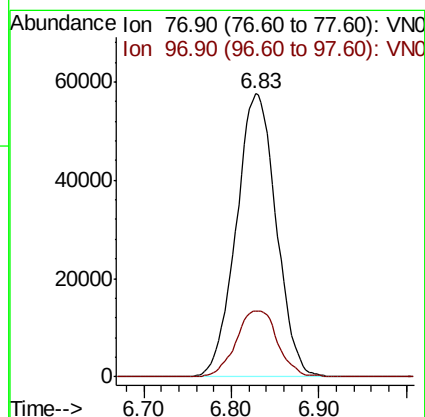
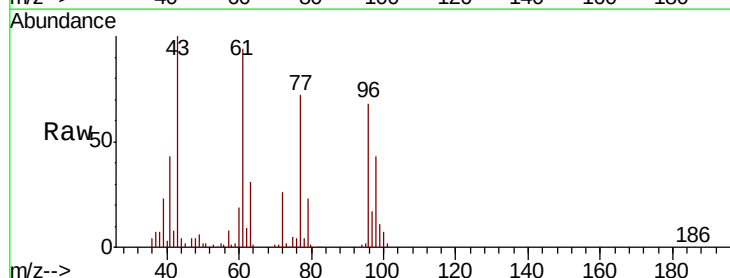
Acq: 2 Aug 2018 19:04

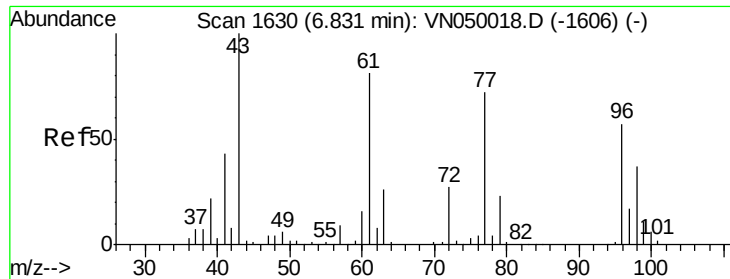
Tgt Ion: 77 Resp: 182499

Ion Ratio Lower Upper

77 100

97 24.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 22.10 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0802MBSD01

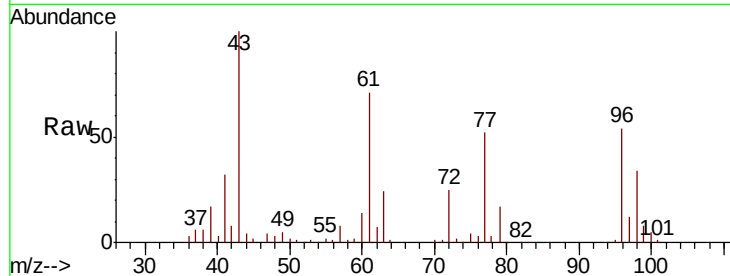
Tot Ion: 96 Resp: 166479

Ion Ratio Lower Upper

96 100

61 137.7 0.0 285.0

98 63.7 0.0 129.2

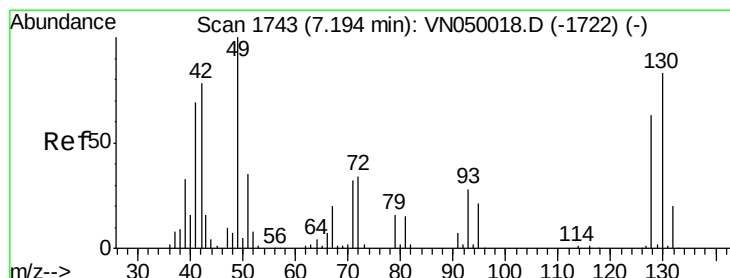
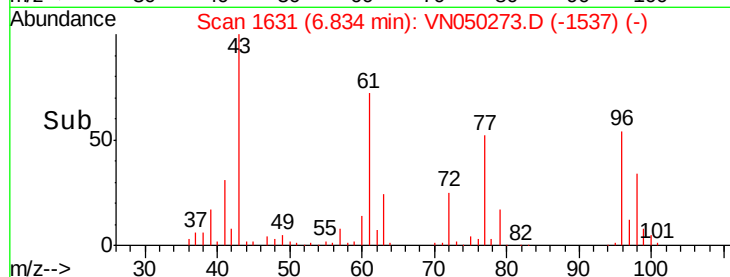
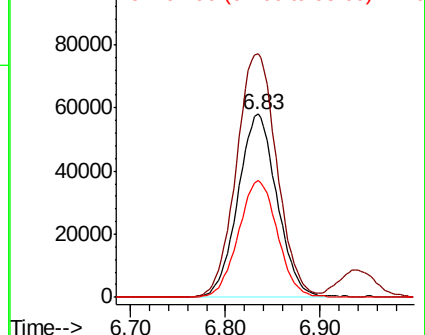


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.03 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

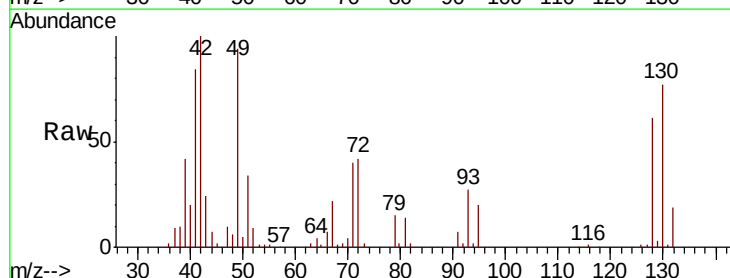
Tgt Ion: 49 Resp: 127325

Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.0

130 81.9 66.3 99.5

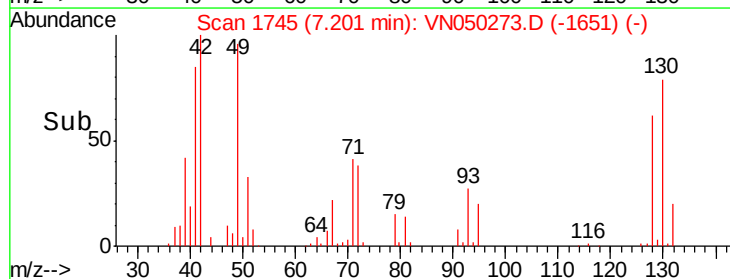
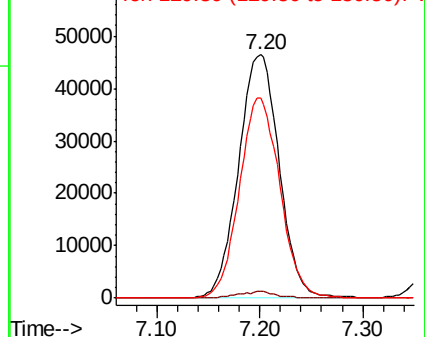


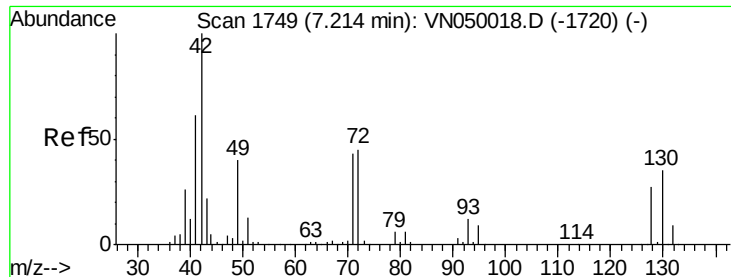
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

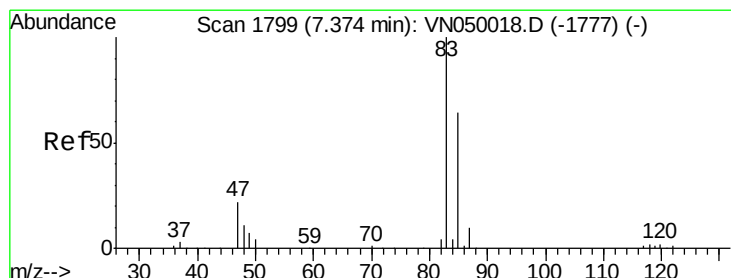
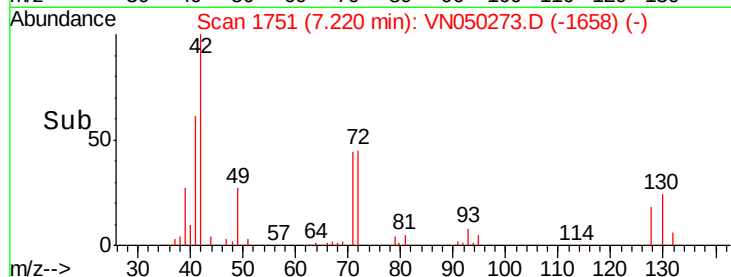
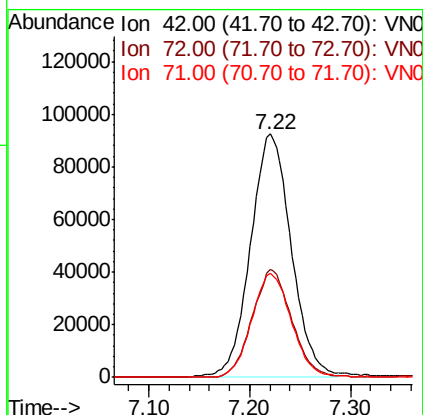
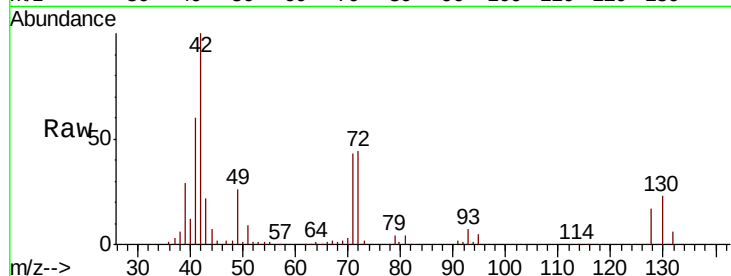




#29
Tetrahydrofuran
Concen: 130.23 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. -0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

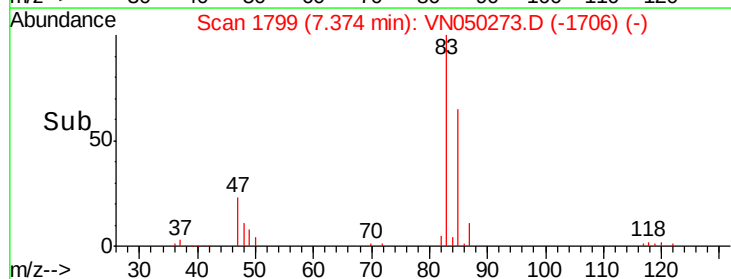
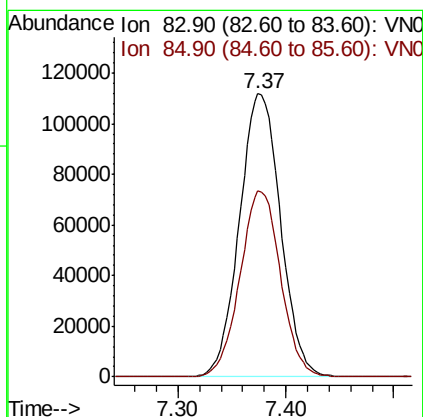
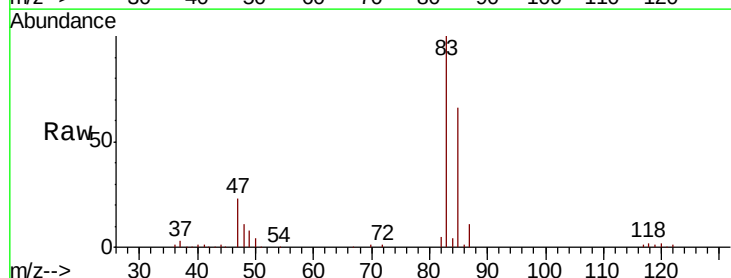
Instrument :
MSVOA_N
ClientSampleId :
VN0802MBSD01

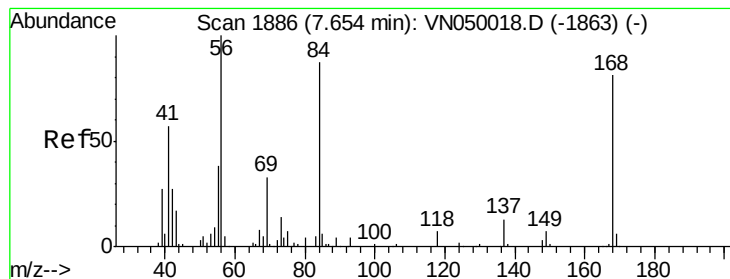
Tot Ion: 42 Resp: 256590
Ion Ratio Lower Upper
42 100
72 43.5 35.9 53.9
71 42.2 33.7 50.5



#30
Chloroform
Concen: 21.90 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

Tgt Ion: 83 Resp: 296649
Ion Ratio Lower Upper
83 100
85 65.7 52.5 78.7





#31

Cyclohexane

Concen: 19.86 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0802MBSD01

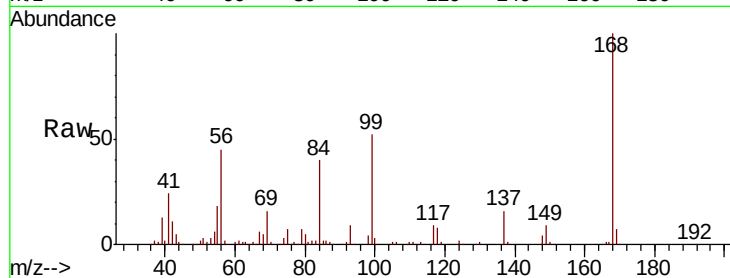
Tot Ion: 56 Resp: 219143

Ion Ratio Lower Upper

56 100

69 36.7 26.2 39.4

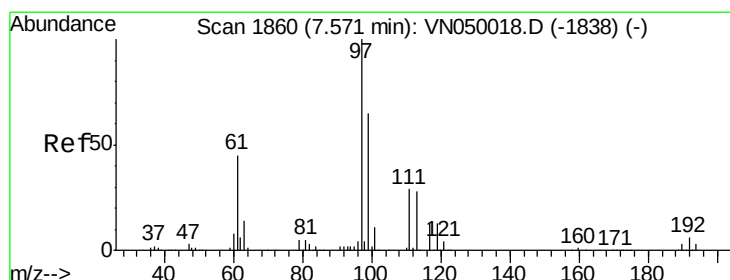
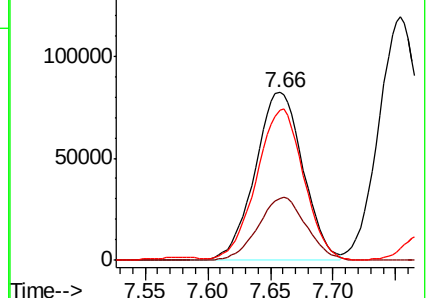
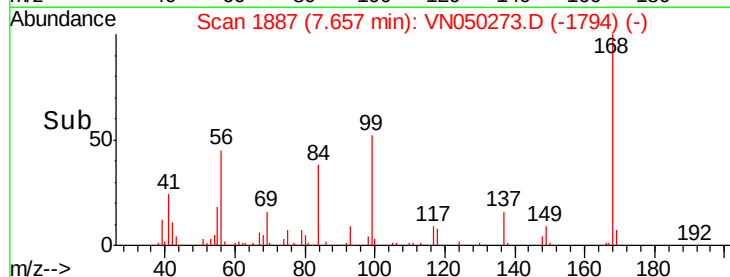
84 87.3 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 21.40 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

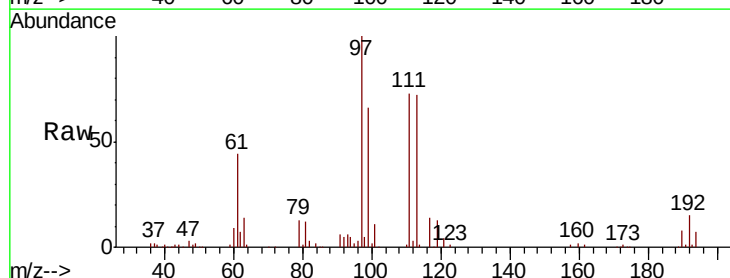
Tgt Ion: 97 Resp: 248025

Ion Ratio Lower Upper

97 100

99 65.0 51.4 77.0

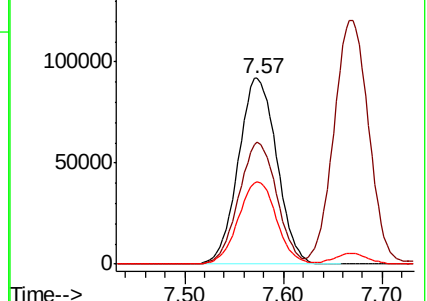
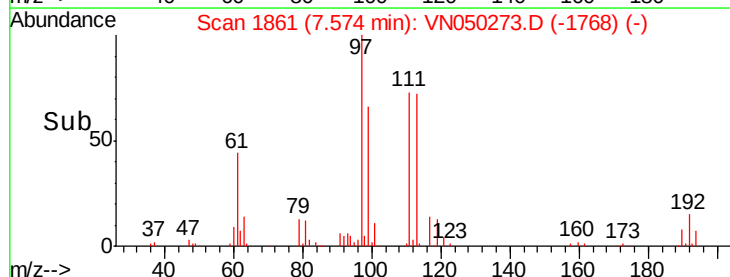
61 44.0 35.4 53.0

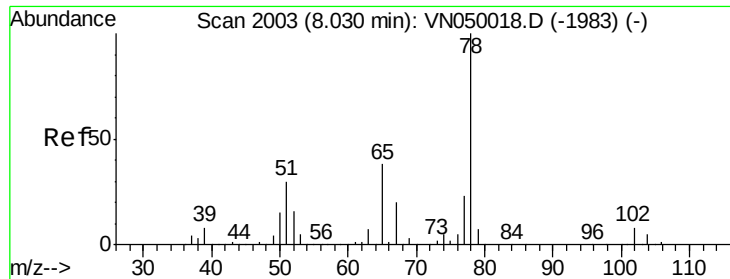


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 52.54 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

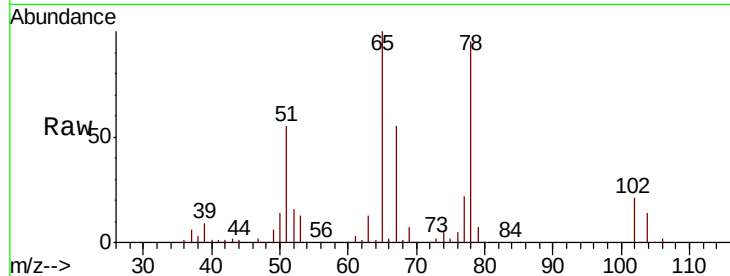
VN0802MBSD01

Tot Ion: 65 Resp: 419993

Ion Ratio Lower Upper

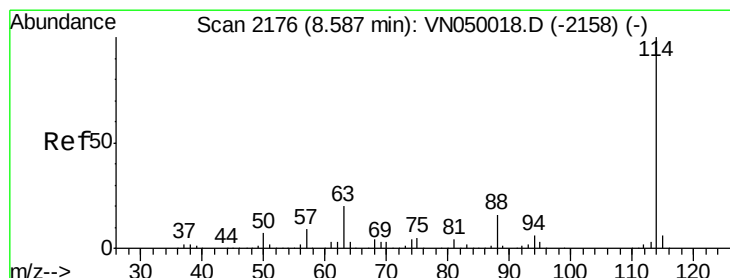
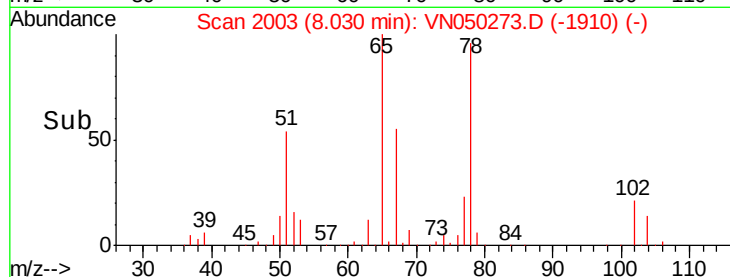
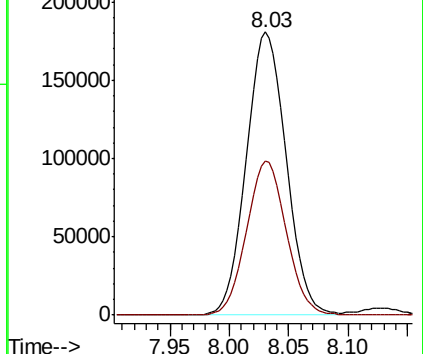
65 100

67 54.3 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

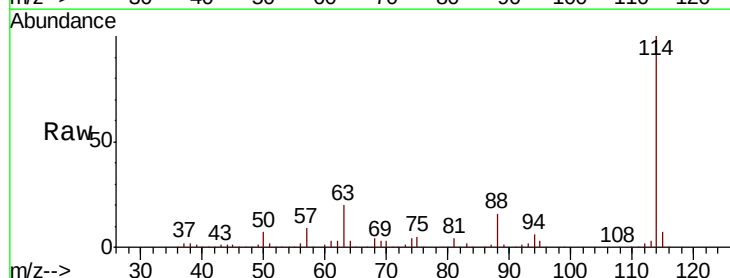
Tgt Ion:114 Resp: 880294

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

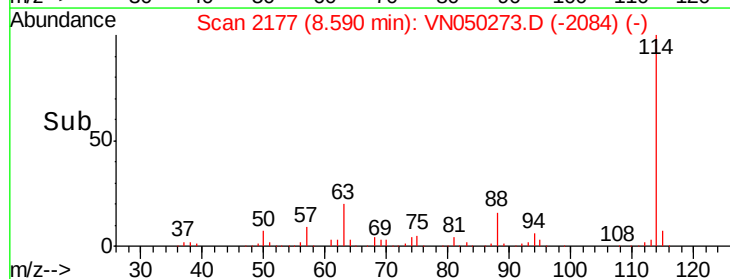
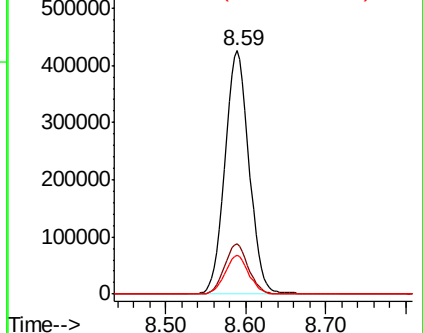
88 15.7 0.0 31.2

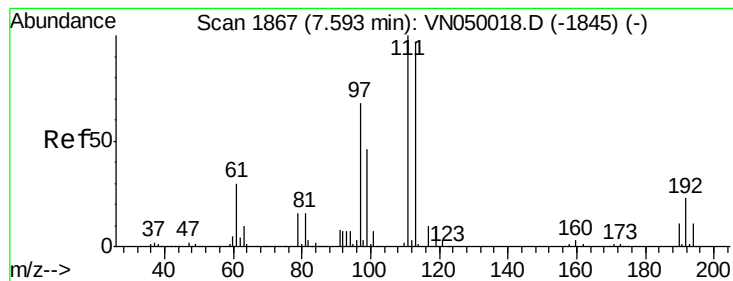


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 52.47 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0802MBSD01

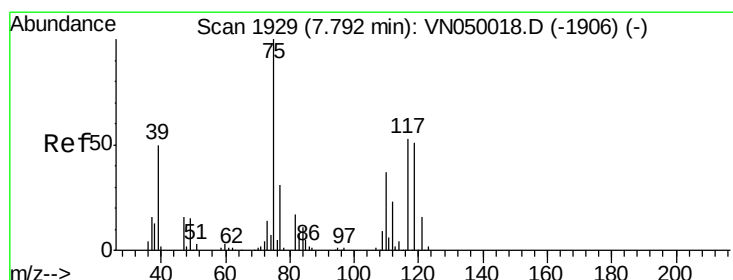
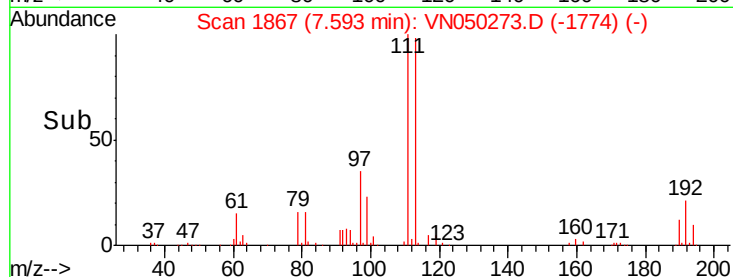
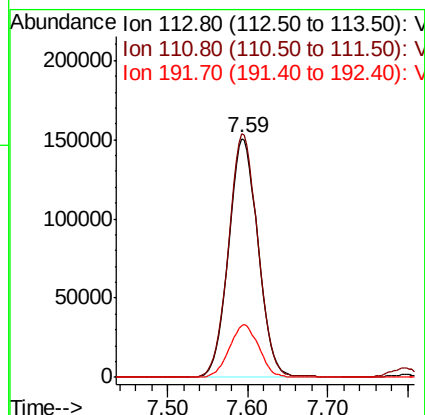
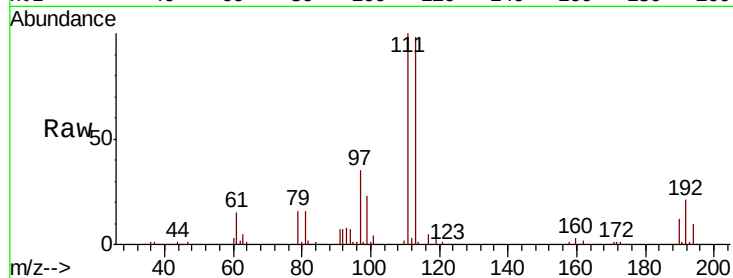
Tot Ion:113 Resp: 377154

Ion Ratio Lower Upper

113 100

111 101.8 80.7 121.1

192 22.0 17.8 26.6



#36

1,1-Dichloropropene

Concen: 20.23 ug/l

RT: 7.80 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

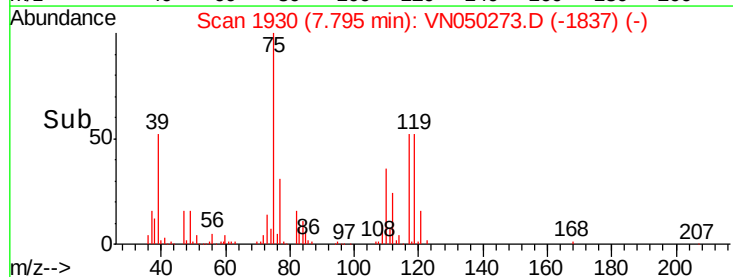
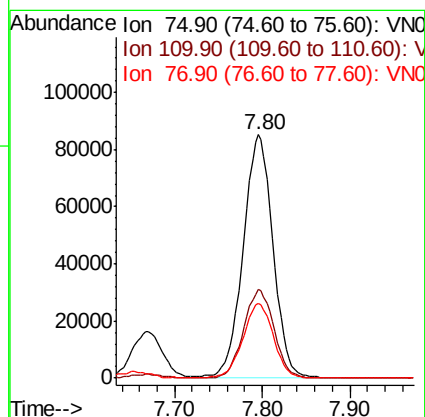
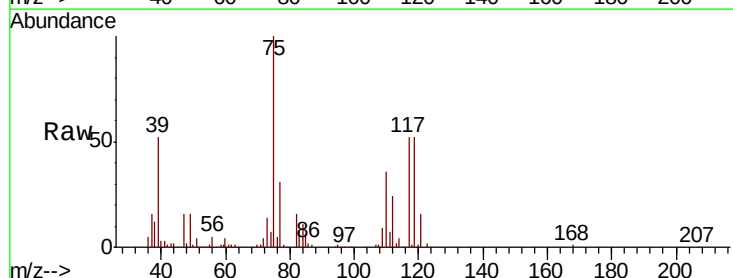
Tgt Ion: 75 Resp: 200664

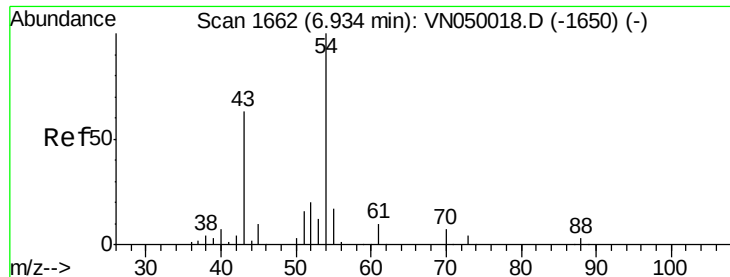
Ion Ratio Lower Upper

75 100

110 37.2 18.4 55.2

77 31.5 25.3 37.9

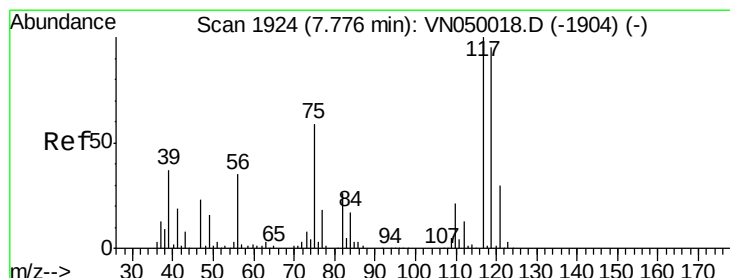
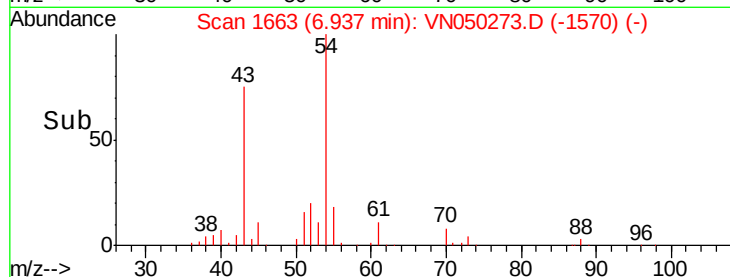
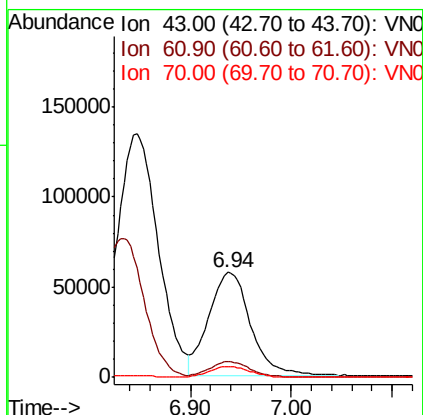
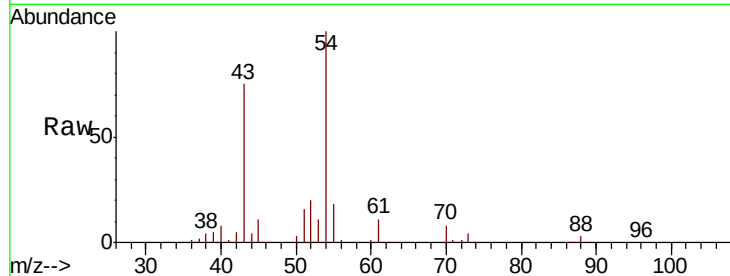




#37
Ethyl Acetate
Concen: 24.01 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

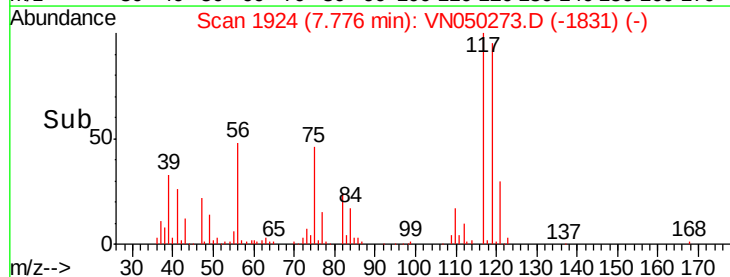
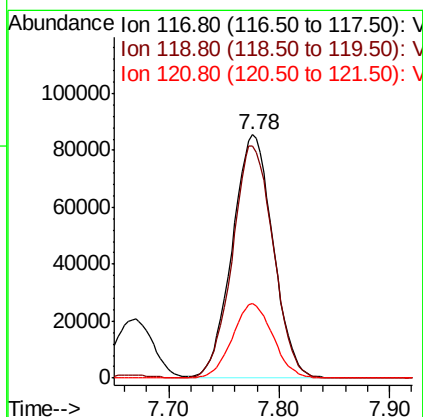
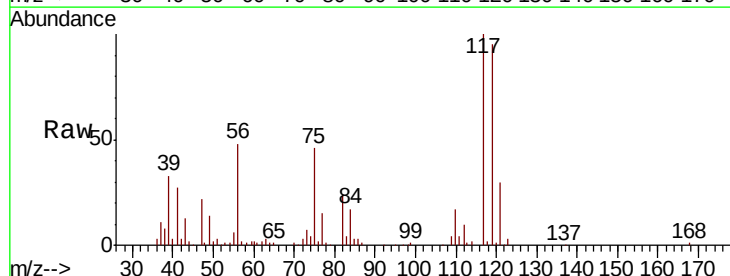
Instrument :
MSVOA_N
ClientSampleId :
VN0802MBSD01

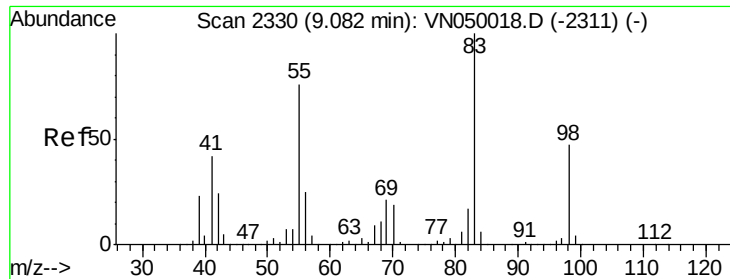
Tot Ion	43	61	70	Resp	165999
Ion Ratio	100	14.2	10.4	Lower	Upper
		11.8	8.4		
		17.8	12.6		



#38
Carbon Tetrachloride
Concen: 20.82 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

Tgt Ion	117	119	121	Resp	219132
Ion Ratio	100	95.1	30.5	Lower	Upper
		77.4	23.9		
		116.0	35.9		

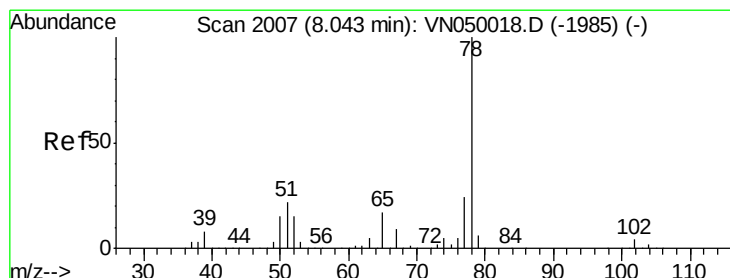
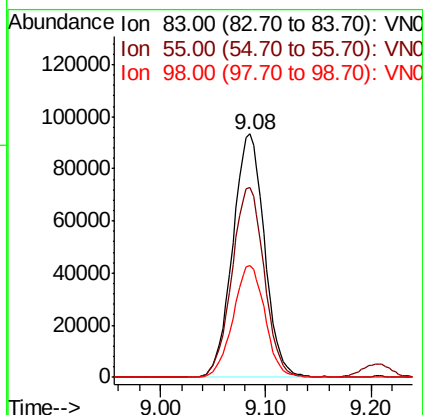
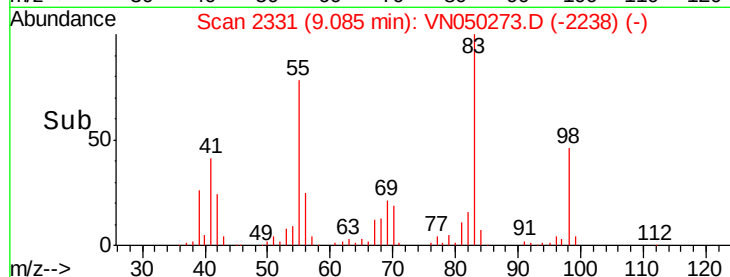
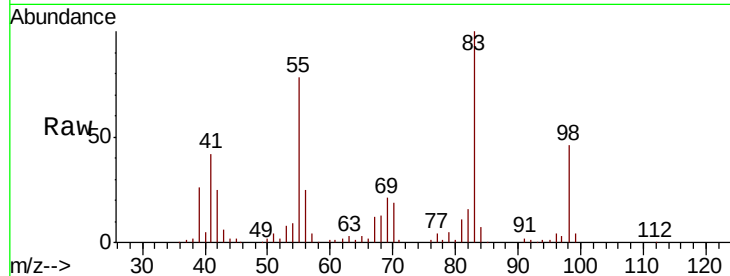




#39
Methylvlcyclohexane
Concen: 19.09 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

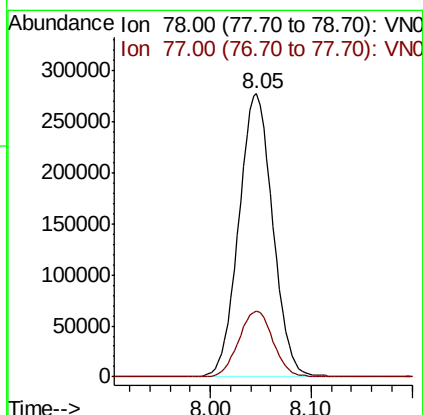
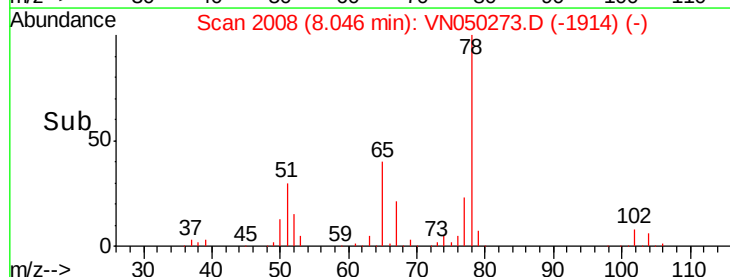
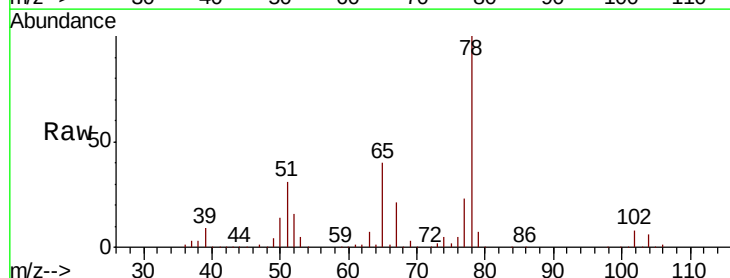
Instrument :
MSVOA_N
ClientSampleId :
VN0802MBSD01

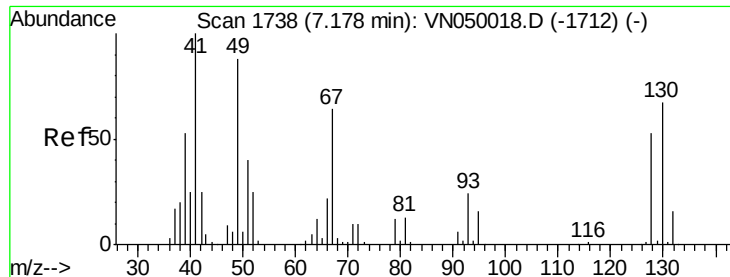
Tot Ion: 83 Resp: 194773
Ion Ratio Lower Upper
83 100
55 78.1 61.8 92.8
98 46.1 36.5 54.7



#40
Benzene
Concen: 21.40 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

Tgt Ion: 78 Resp: 645980
Ion Ratio Lower Upper
78 100
77 23.4 18.7 28.1

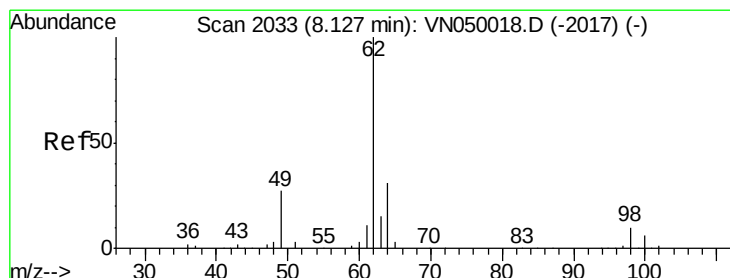
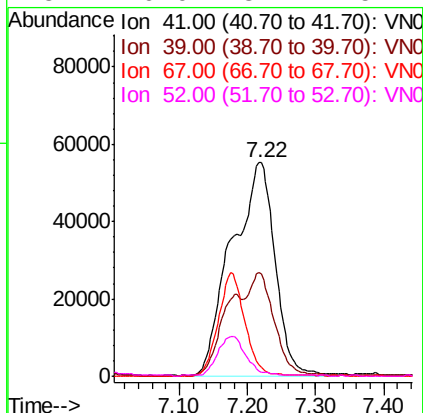
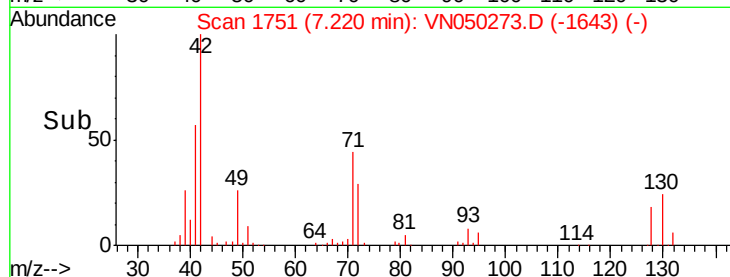
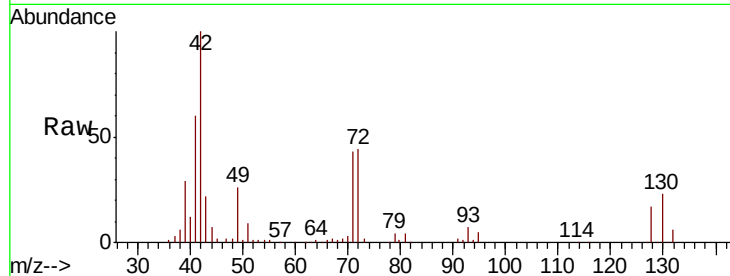




#41
Methacrylonitrile
Concen: 66.48 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.05 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

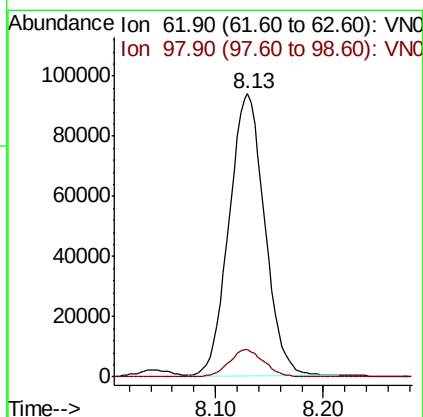
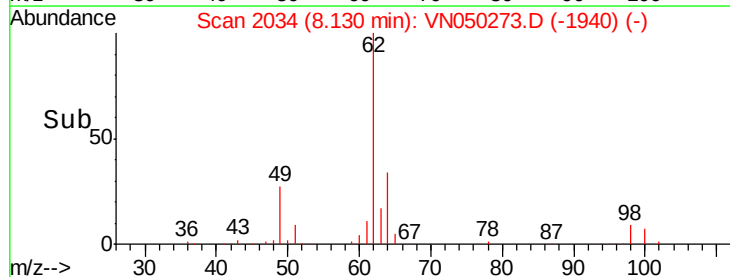
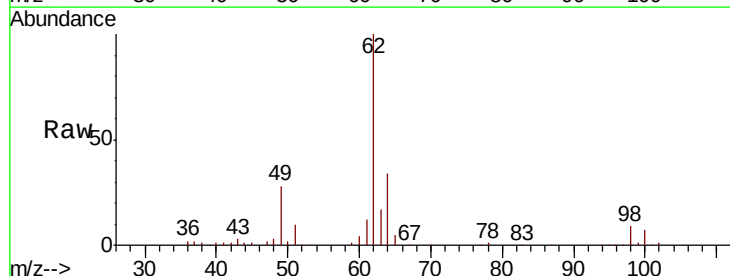
Instrument :
MSVOA_N
ClientSampleId :
VN0802MBSD01

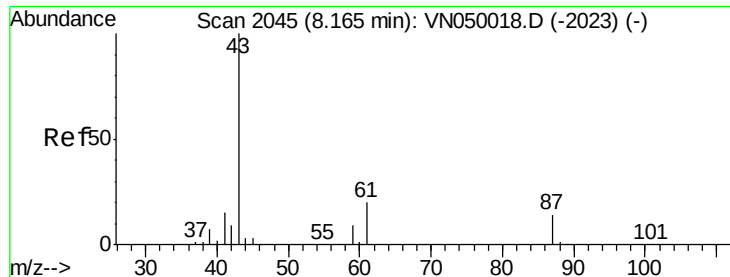
Tot Ion: 41 Resp: 242865
Ion Ratio Lower Upper
41 100
39 0.0 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#42
1,2-Dichloroethane
Concen: 21.41 ug/l
RT: 8.13 min Scan# 2034
Delta R.T. 0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

Tgt Ion: 62 Resp: 215590
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.8





#43

Isopropyl Acetate

Concen: 33.55 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0802MBSD01

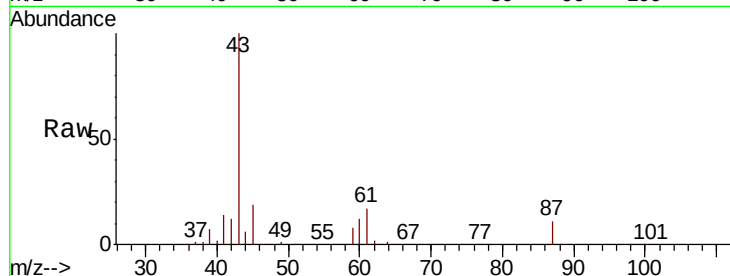
Tot Ion: 43 Resp: 442026

Ion Ratio Lower Upper

43 100

61 12.7 15.8 23.6#

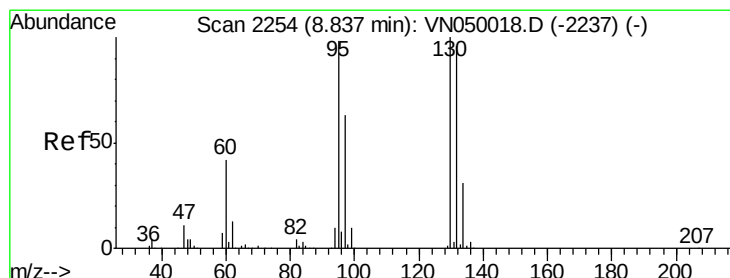
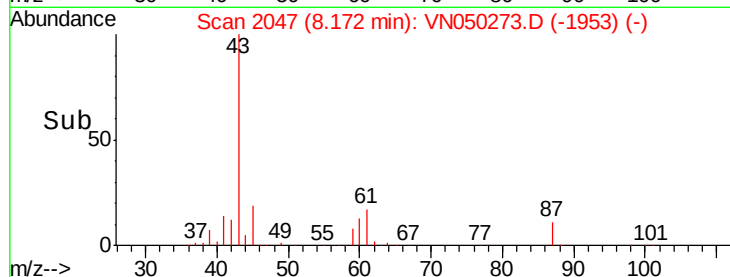
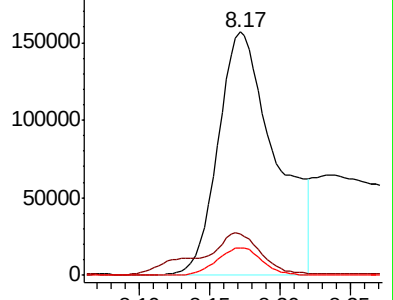
87 8.9 10.3 15.5#



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)

Ion 61.00 (60.70 to 61.70): VN050018.D (-2023) (-)

Ion 87.00 (86.70 to 87.70): VN050018.D (-2023) (-)



#44

Trichloroethene

Concen: 20.06 ug/l

RT: 8.84 min Scan# 2255

Delta R.T. 0.00 min

Lab File: VN050273.D

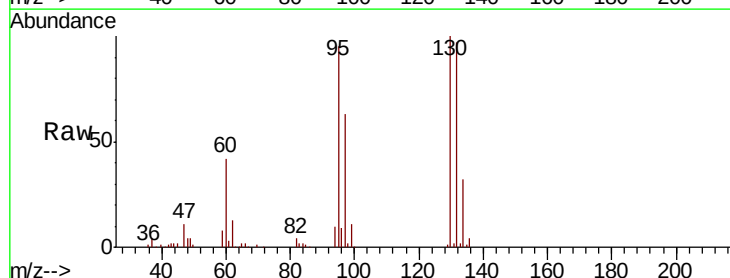
Acq: 2 Aug 2018 19:04

Tgt Ion: 130 Resp: 162703

Ion Ratio Lower Upper

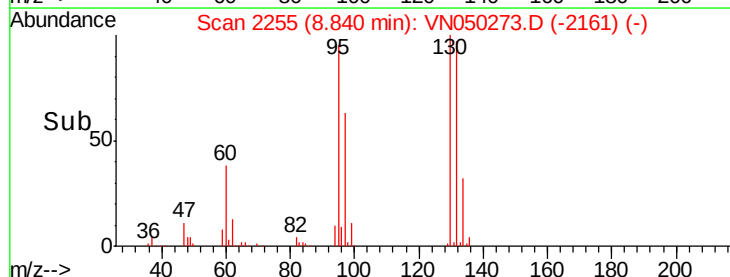
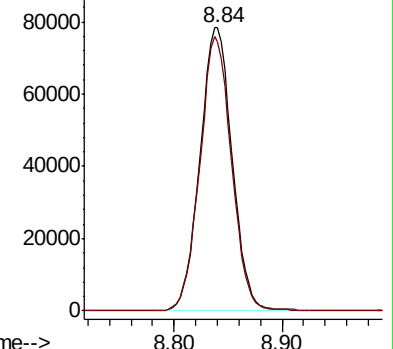
130 100

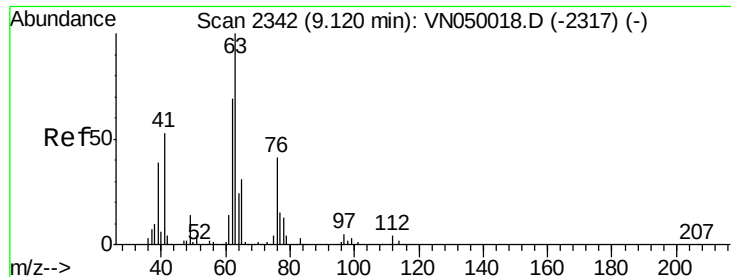
95 95.4 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050018.D (-2237) (-)





#45

1,2-Dichloropropane

Concen: 21.75 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

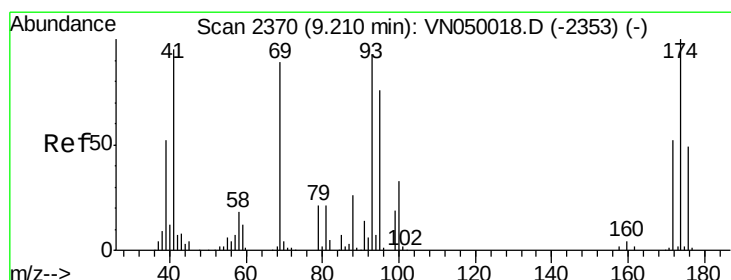
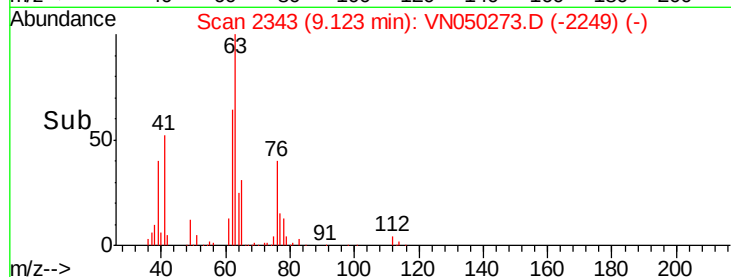
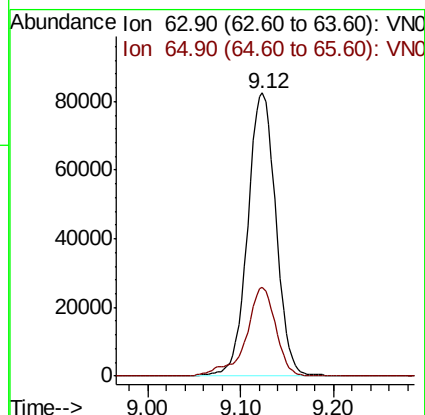
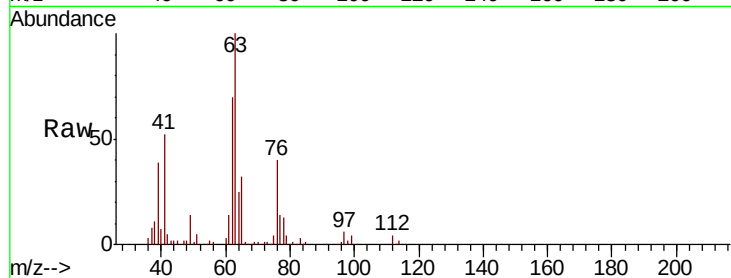
VN0802MBSD01

Tot Ion: 63 Resp: 173846

Ion Ratio Lower Upper

63 100

65 31.6 25.5 38.3



#46

Dibromomethane

Concen: 22.23 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

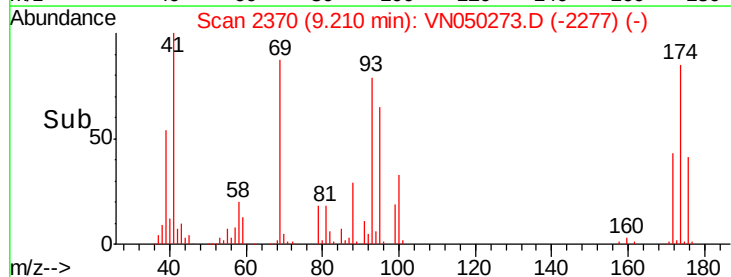
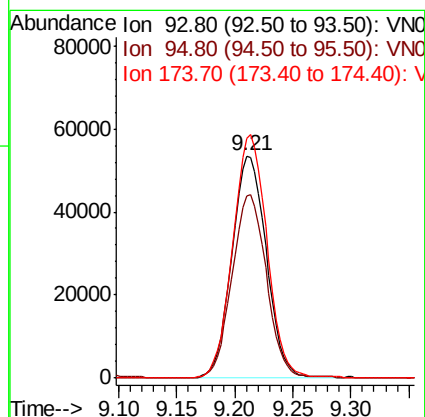
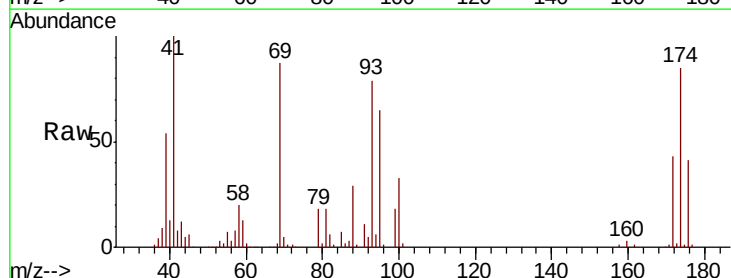
Tgt Ion: 93 Resp: 110325

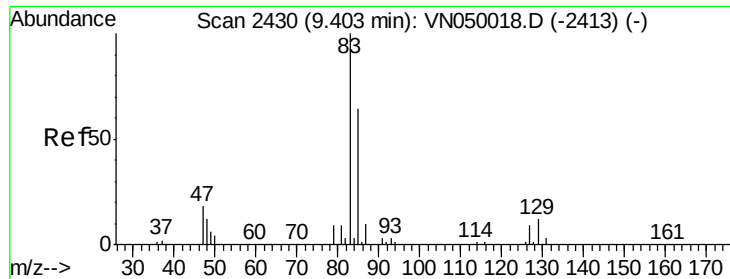
Ion Ratio Lower Upper

93 100

95 82.7 66.6 100.0

174 108.2 87.1 130.7





#47

Bromodichloromethane

Concen: 21.78 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0802MBS01

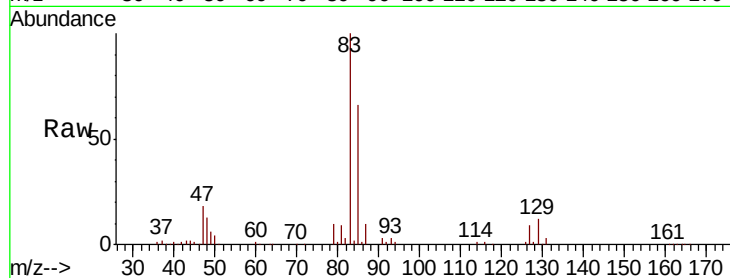
Tot Ion: 83 Resp: 228190

Ion Ratio Lower Upper

83 100

85 65.8 51.1 76.7

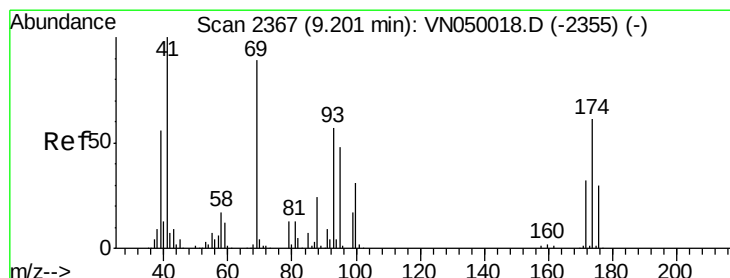
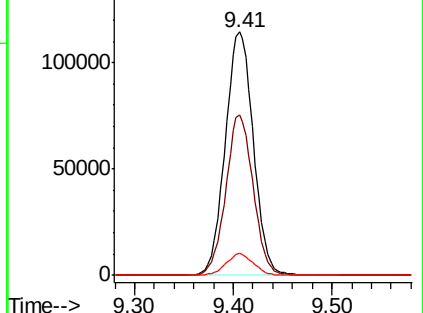
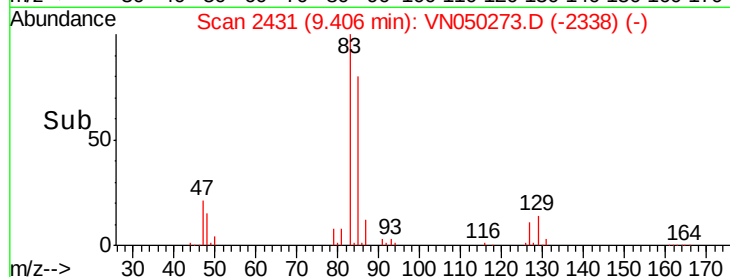
127 8.9 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 24.09 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

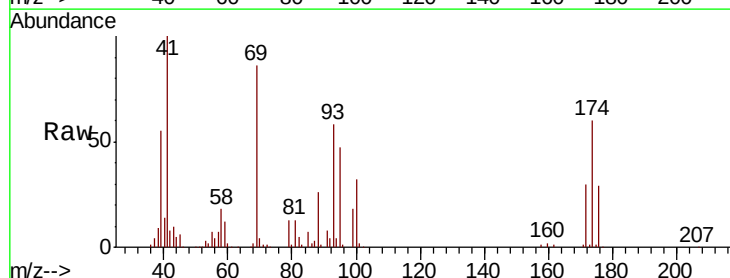
Tgt Ion: 41 Resp: 143485

Ion Ratio Lower Upper

41 100

69 88.1 70.6 105.8

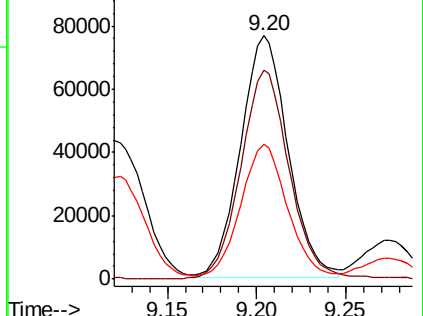
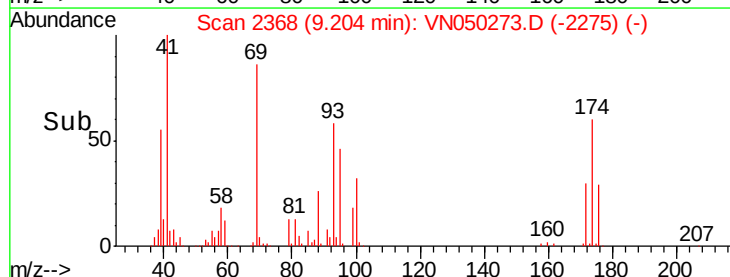
39 54.8 43.9 65.9

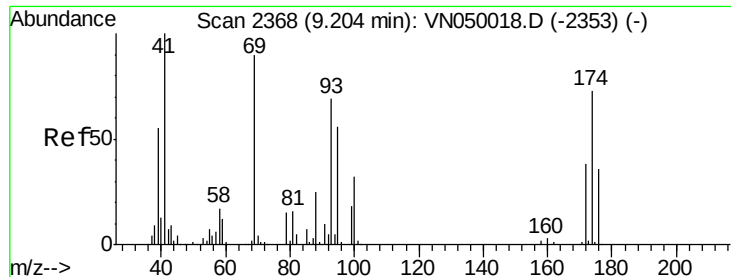


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 541.58 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0802MBSD01

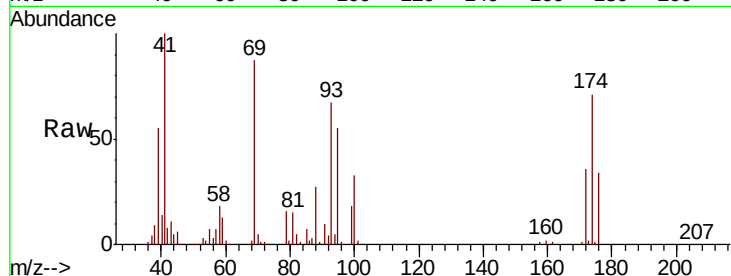
Tot Ion: 88 Resp: 43891

Ion Ratio Lower Upper

88 100

43 33.6 26.9 40.3

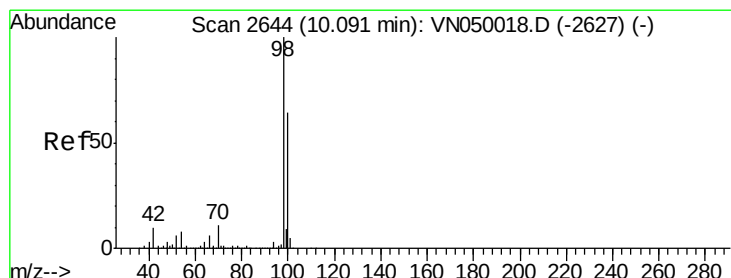
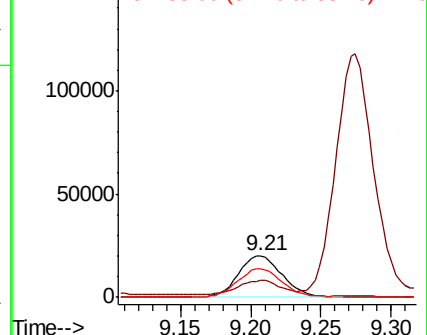
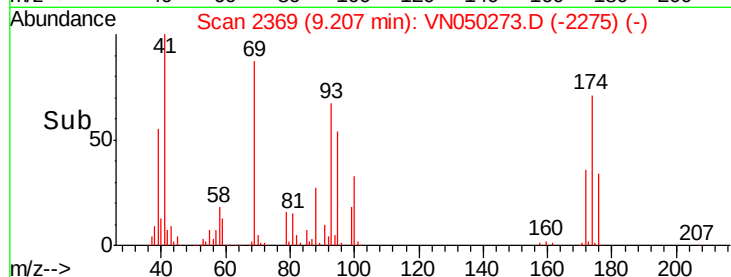
58 69.9 57.3 85.9



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.55 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VN050273.D

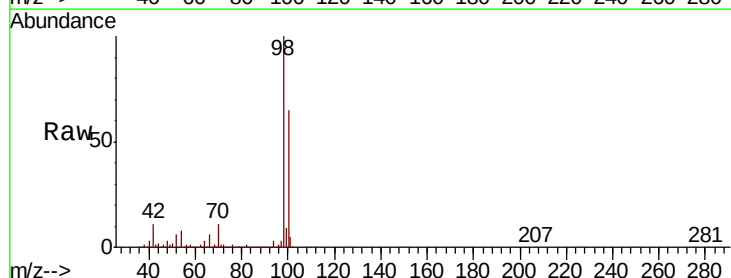
Acq: 2 Aug 2018 19:04

Tgt Ion: 98 Resp: 1335651

Ion Ratio Lower Upper

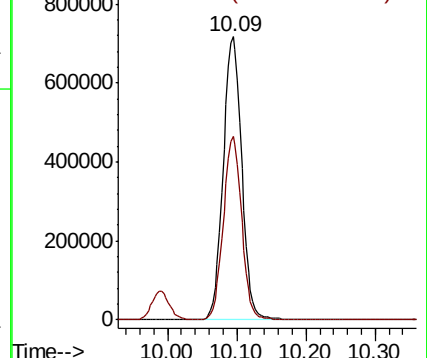
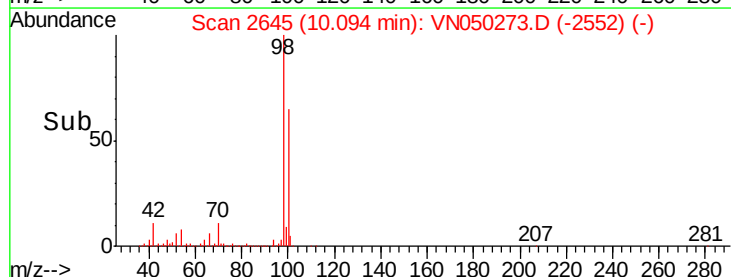
98 100

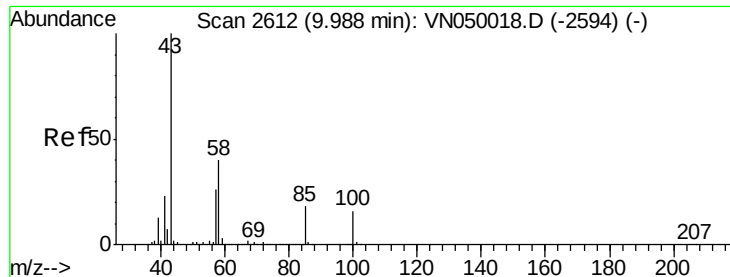
100 63.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

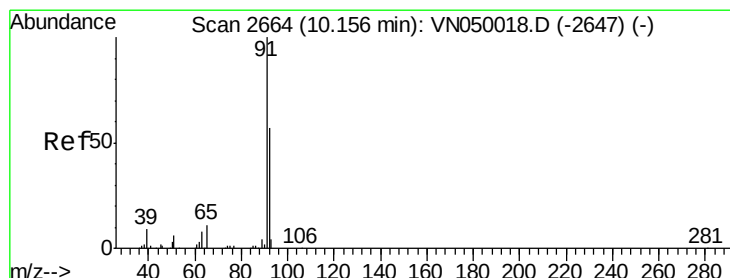
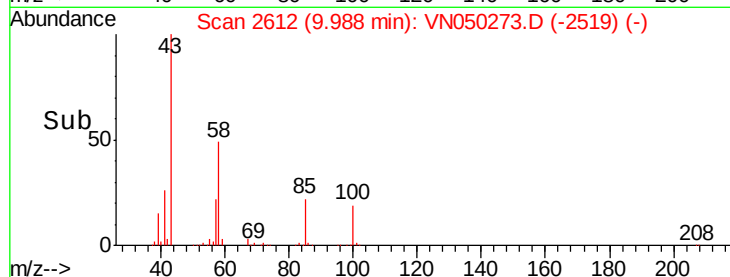
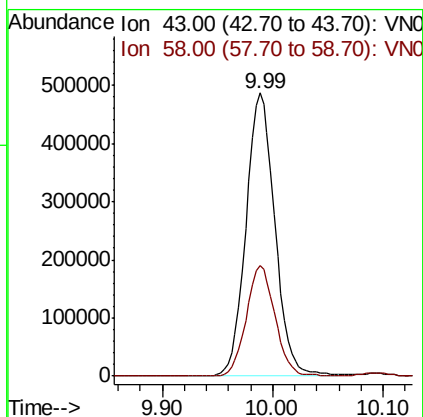
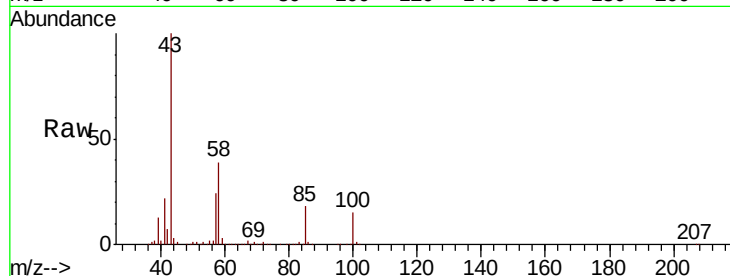




#51
4-Methyl-2-Pentanone
Concen: 129.02 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. -0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

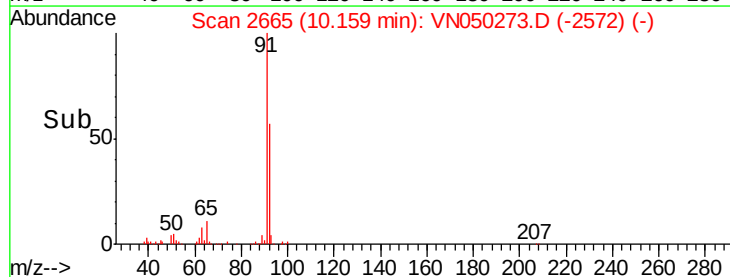
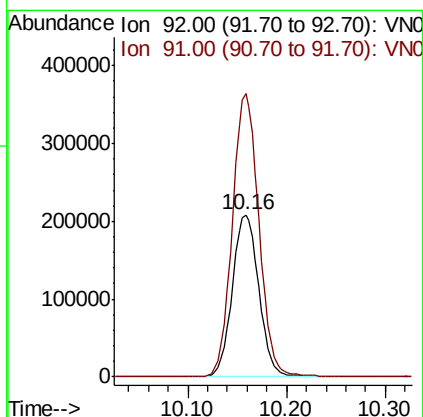
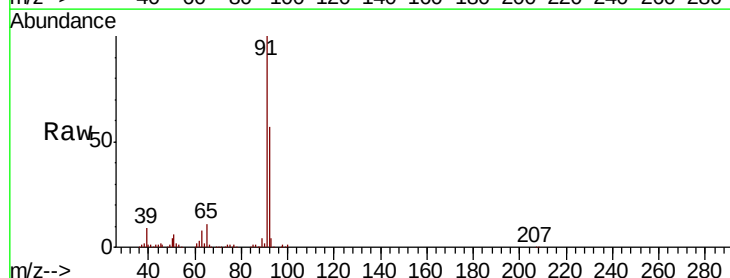
Instrument :
MSVOA_N
ClientSampleId :
VN0802MBSD01

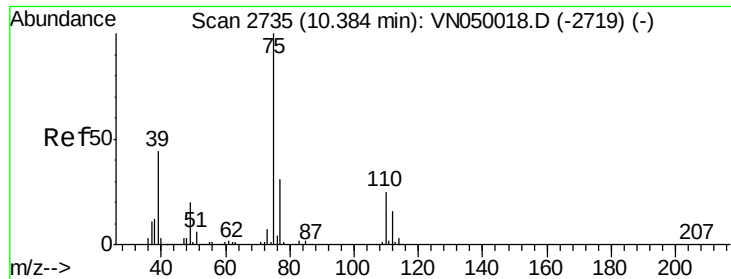
Tot Ion: 43 Resp: 877032
Ion Ratio Lower Upper
43 100
58 39.0 31.9 47.9



#52
Toluene
Concen: 21.91 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. -0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

Tgt Ion: 92 Resp: 390347
Ion Ratio Lower Upper
92 100
91 175.0 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 21.39 ug/l

RT: 10.39 min Scan# 2736

Delta R.T. 0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

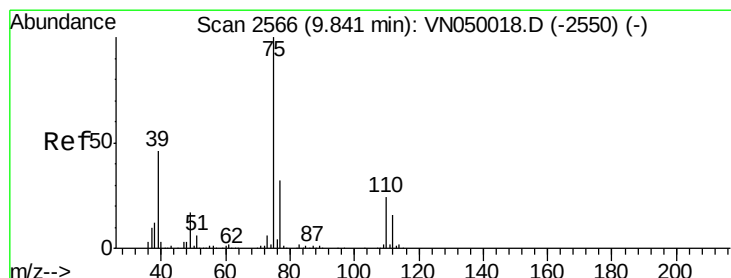
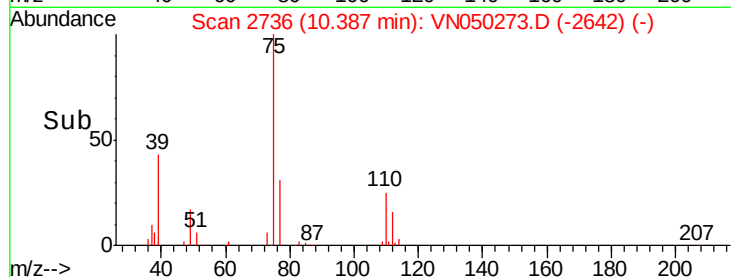
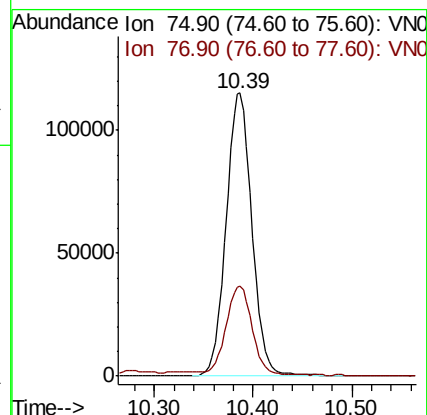
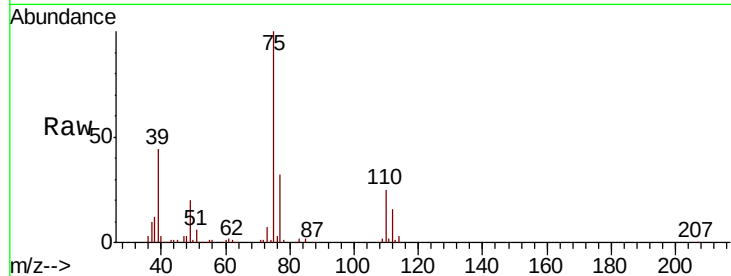
VN0802MBSD01

Tot Ion: 75 Resp: 211399

Ion Ratio Lower Upper

75 100

77 31.6 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 21.08 ug/l

RT: 9.84 min Scan# 2567

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

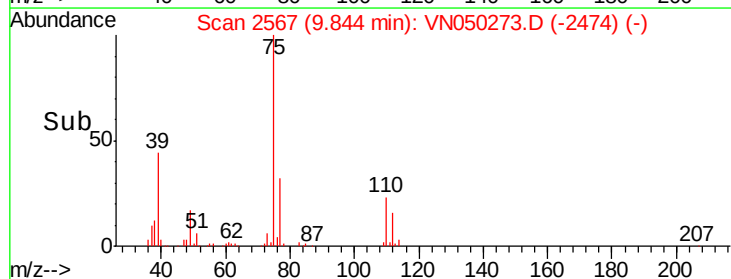
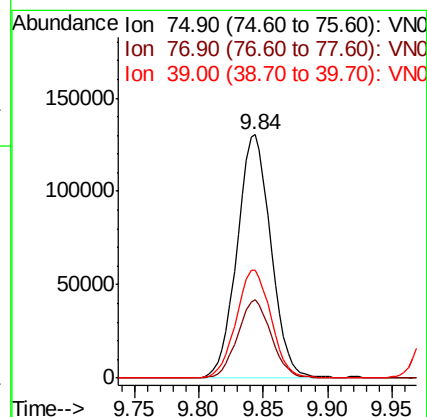
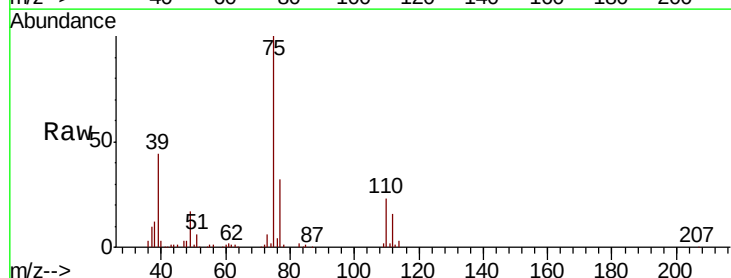
Tgt Ion: 75 Resp: 238114

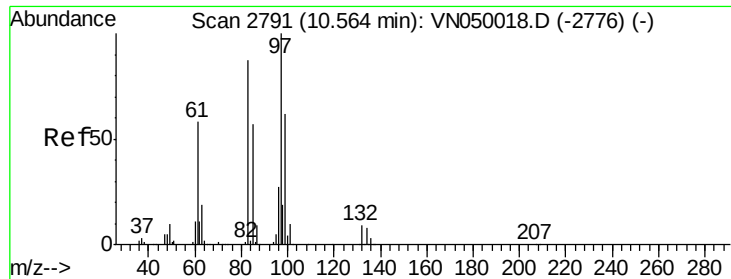
Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3

39 44.0 36.6 55.0

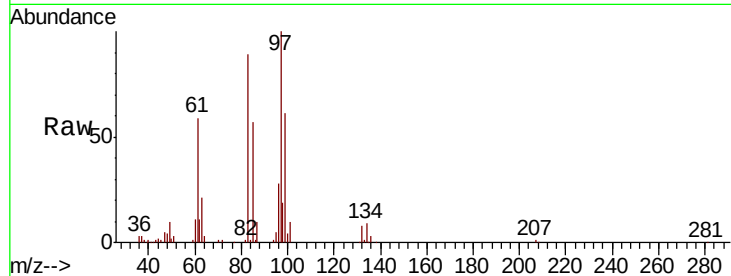




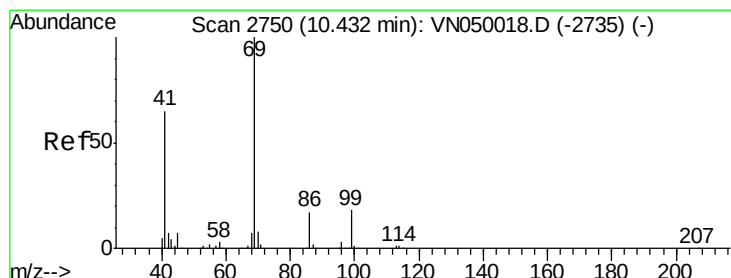
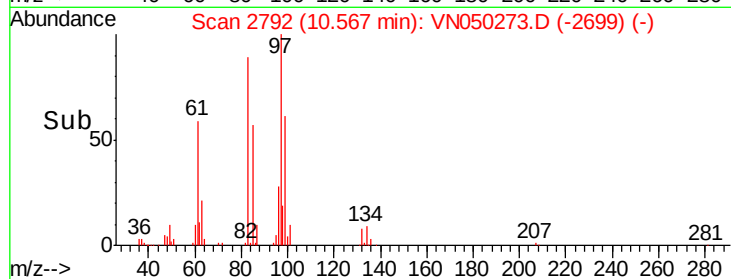
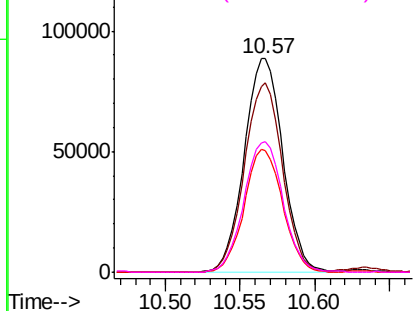
#55
 1,1,2-Trichloroethane
 Concen: 22.56 ug/l
 RT: 10.57 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VN050273.D
 Acq: 2 Aug 2018 19:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0802MBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.6	69.2	103.8
85	57.0	44.0	66.0
99	61.1	49.9	74.9

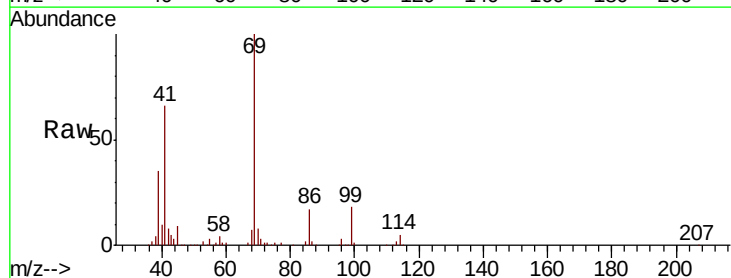


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

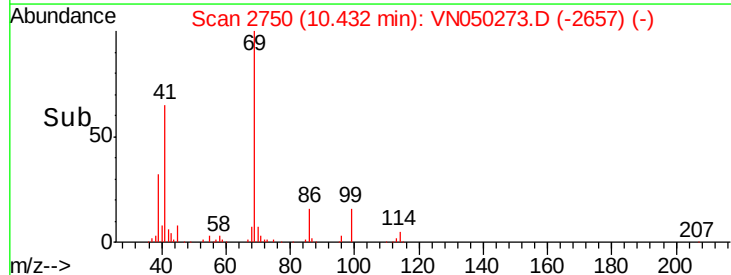
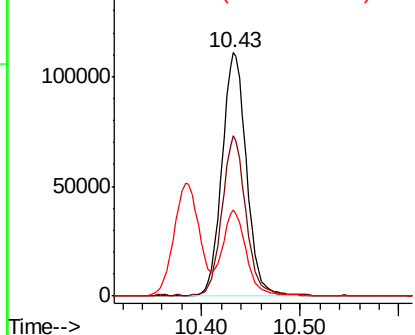


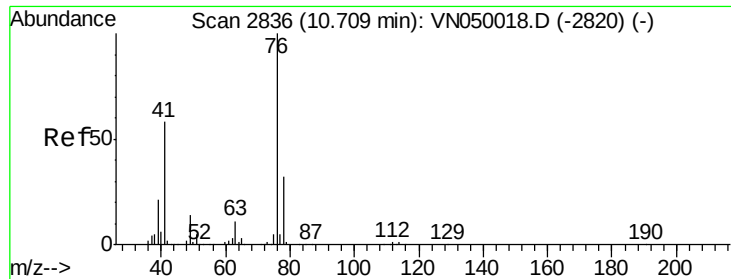
#56
 Ethyl methacrylate
 Concen: 21.42 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050273.D
 Acq: 2 Aug 2018 19:04

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.9	51.0	76.4
39	34.4	26.6	40.0



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

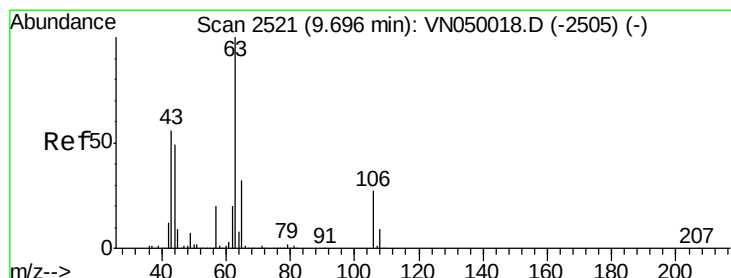
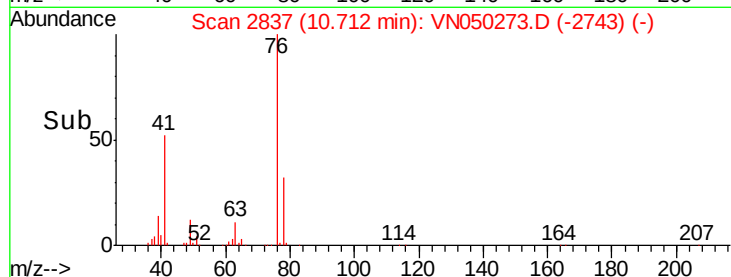
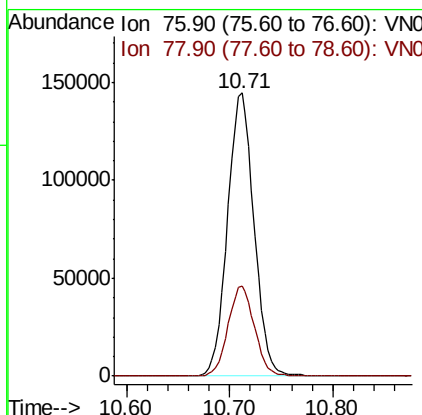
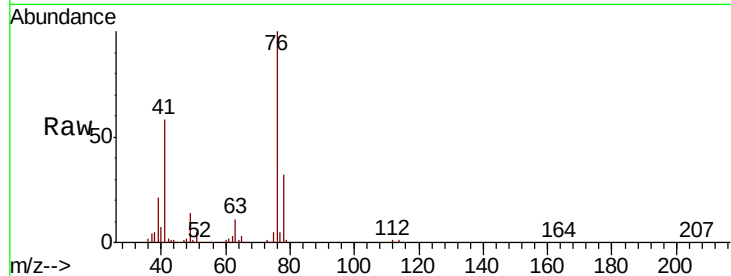




#57
 1,3-Dichloropropane
 Concen: 22.52 ug/l
 RT: 10.71 min Scan# 2837
 Delta R.T. 0.00 min
 Lab File: VN050273.D
 Acq: 2 Aug 2018 19:04

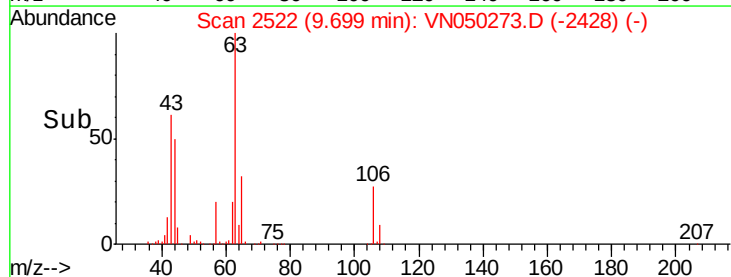
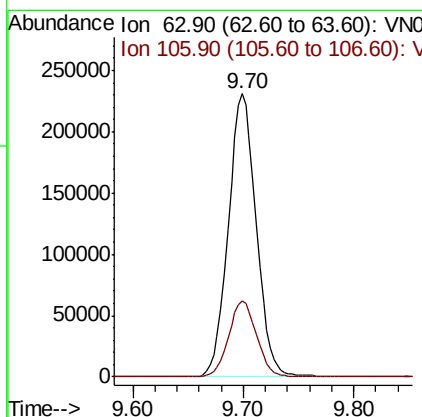
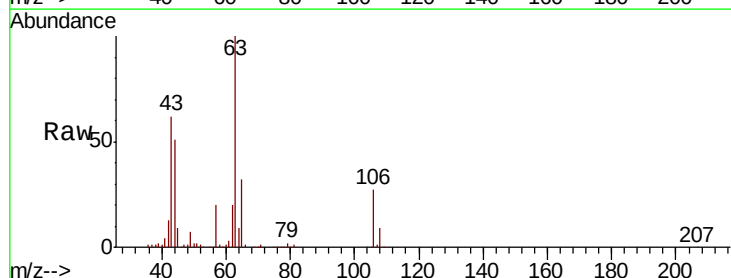
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802MBSD01

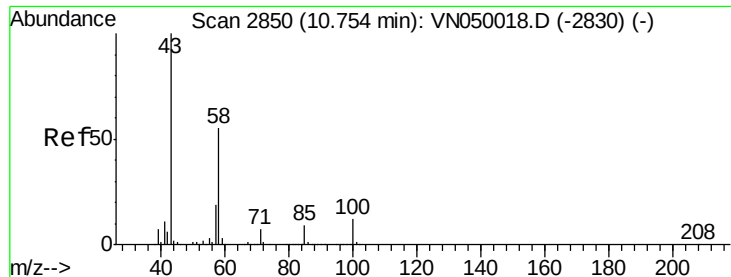
Tot Ion: 76 Resp: 259176
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.01 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050273.D
 Acq: 2 Aug 2018 19:04

Tgt Ion: 63 Resp: 405045
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.7 32.5

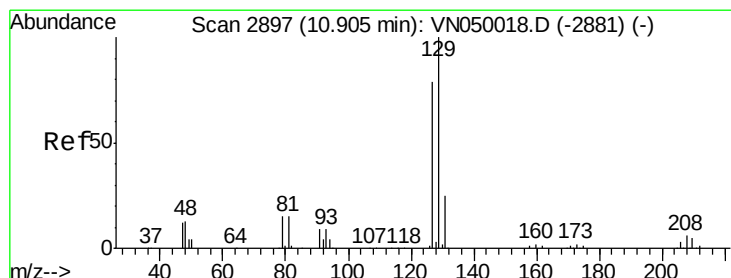
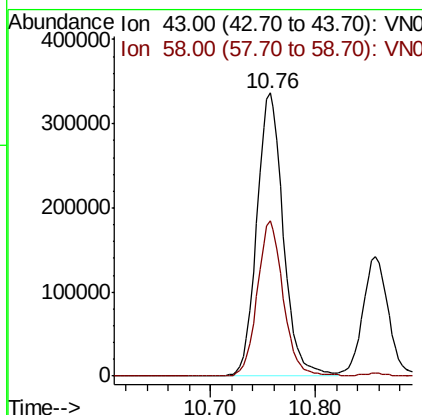
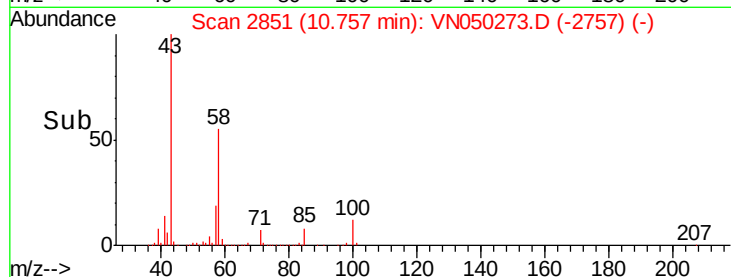
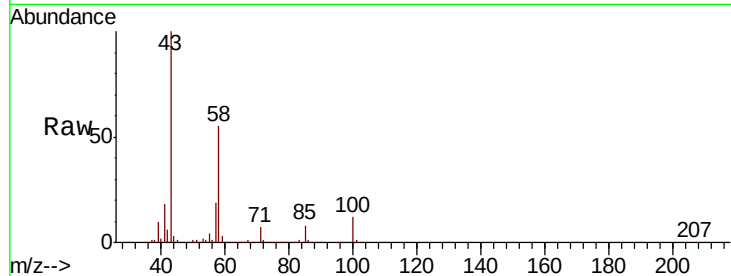




#59
2-Hexanone
Concen: 120.19 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

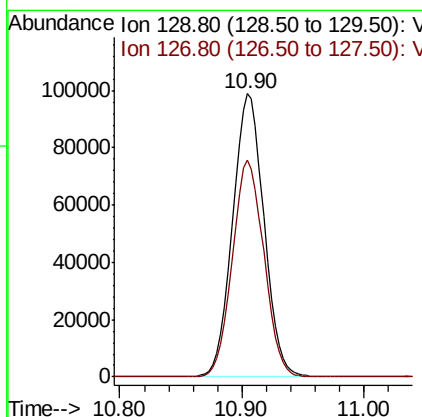
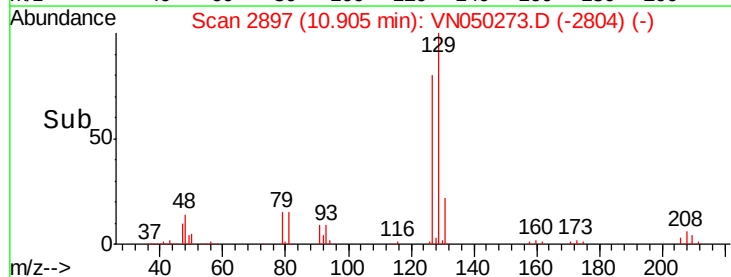
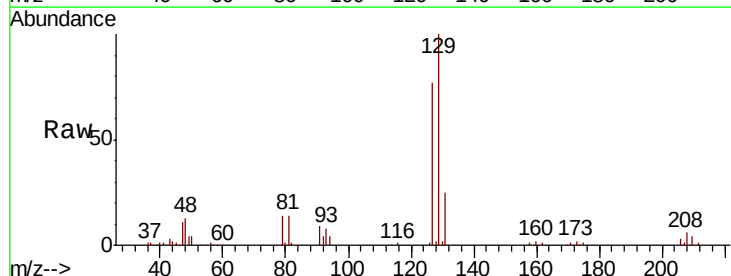
Instrument :
MSVOA_N
ClientSampleId :
VN0802MBSD01

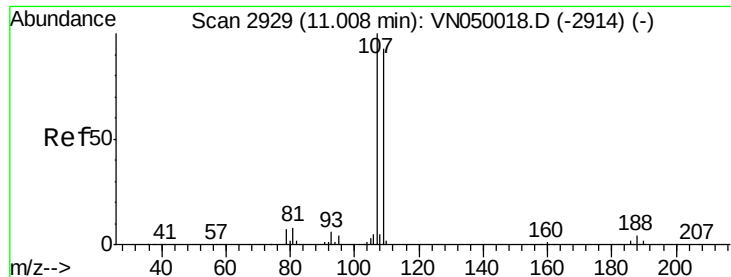
Tot Ion: 43 Resp: 586654
Ion Ratio Lower Upper
43 100
58 54.1 27.6 82.7



#60
Dibromochloromethane
Concen: 22.52 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

Tgt Ion: 129 Resp: 176154
Ion Ratio Lower Upper
129 100
127 76.9 38.0 113.9

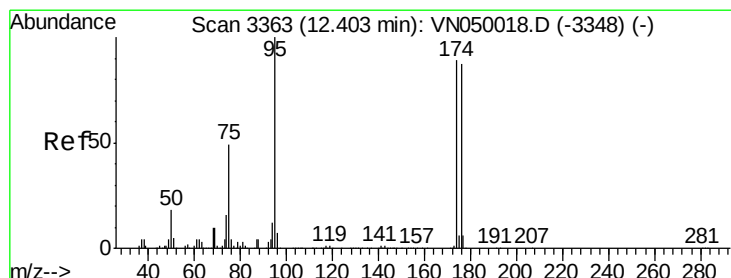
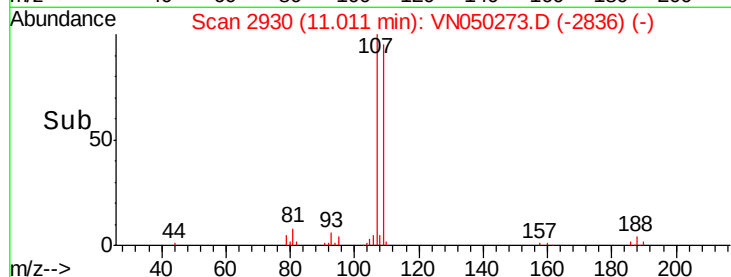
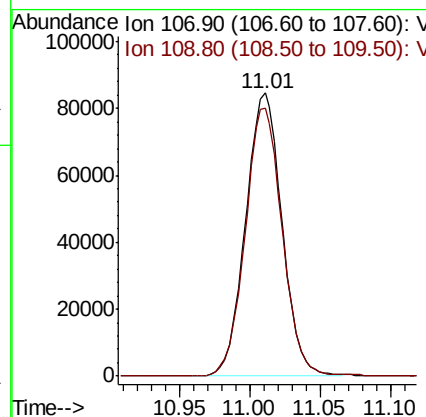
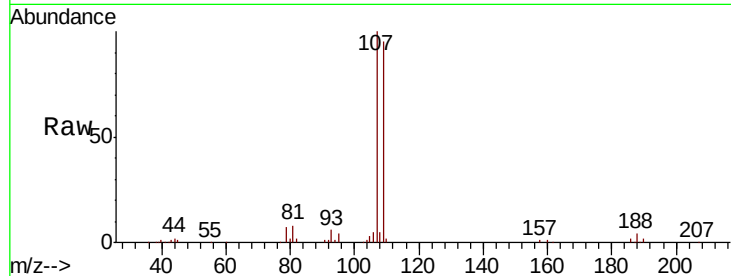




#61
 1,2-Dibromoethane
 Concen: 21.82 ug/l
 RT: 11.01 min Scan# 2930
 Delta R.T. 0.00 min
 Lab File: VN050273.D
 Acq: 2 Aug 2018 19:04

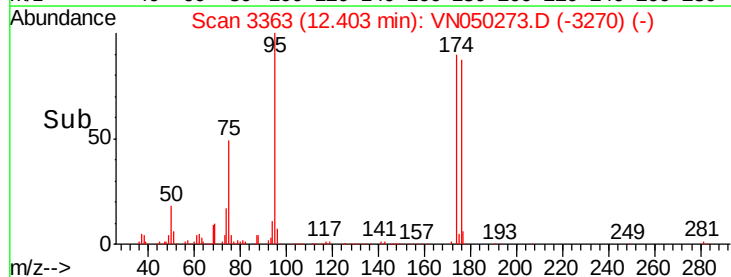
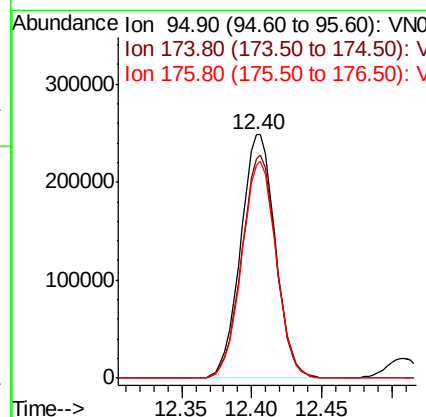
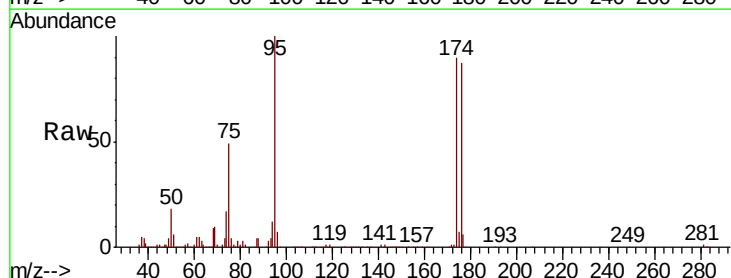
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802MBSD01

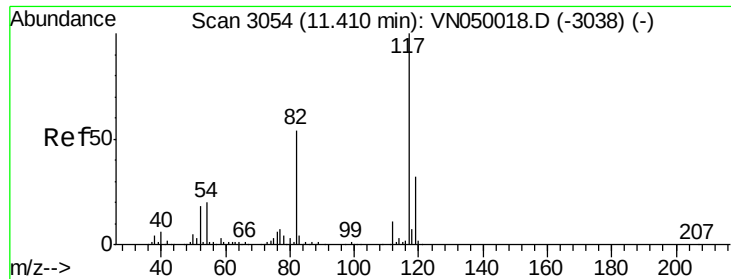
Tot Ion:107 Resp: 152989
 Ion Ratio Lower Upper
 107 100
 109 96.3 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 49.15 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN050273.D
 Acq: 2 Aug 2018 19:04

Tgt Ion: 95 Resp: 427628
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 178.2
 176 88.4 0.0 173.4

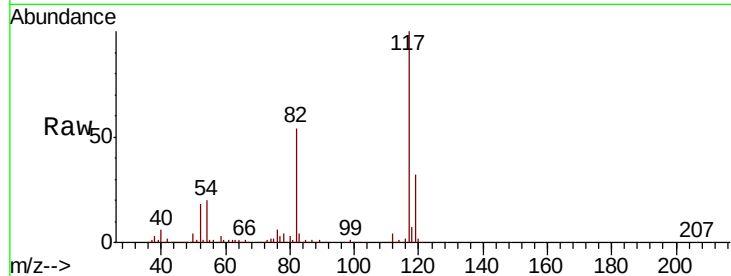




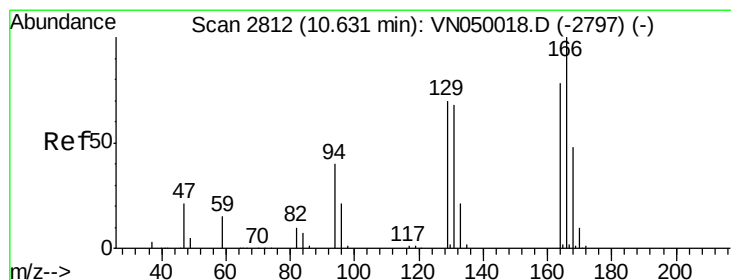
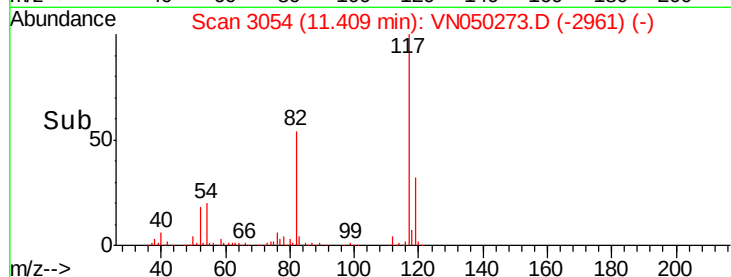
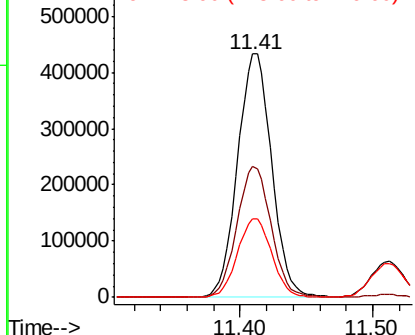
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

Instrument :
MSVOA_N
ClientSampleId :
VN0802MBSD01

Tot Ion:117 Resp: 774468
Ion Ratio Lower Upper
117 100
82 53.7 43.7 65.5
119 32.0 26.1 39.1

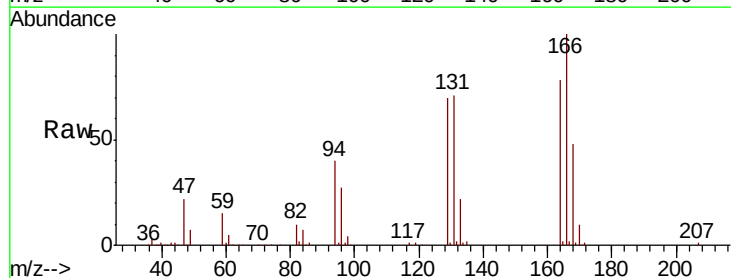


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

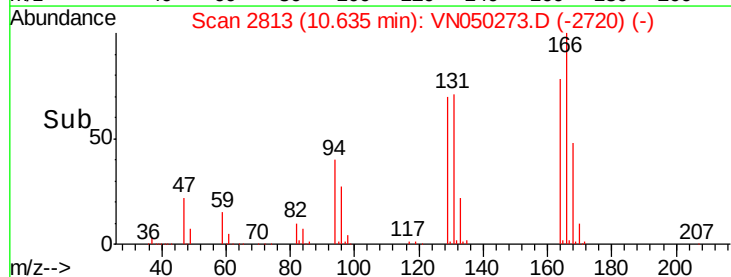
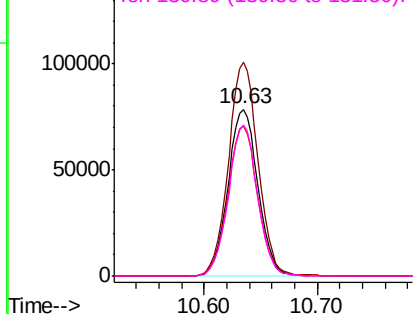


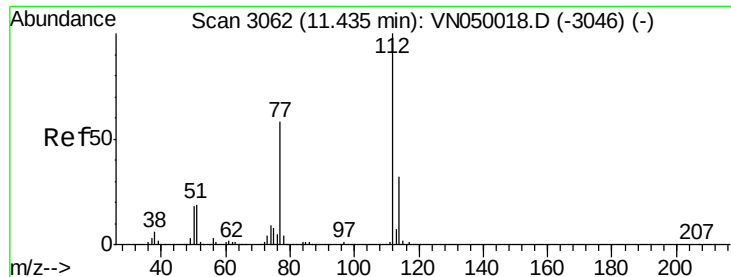
#64
Tetrachloroethene
Concen: 19.43 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. -0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

Tgt Ion:164 Resp: 144676
Ion Ratio Lower Upper
164 100
166 128.2 102.1 153.1
129 90.2 73.2 109.8
131 90.6 70.6 106.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 21.29 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

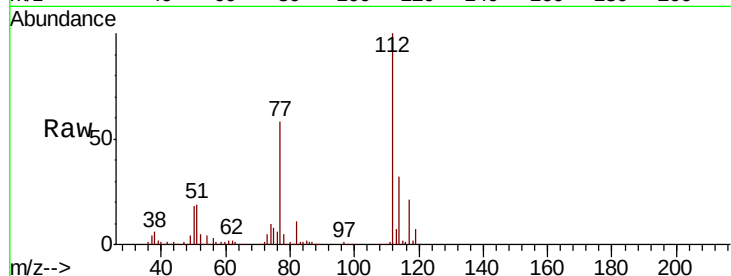
VN0802MBSD01

Tot Ion:112 Resp: 416419

Ion Ratio Lower Upper

112 100

114 32.2 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

250000

200000

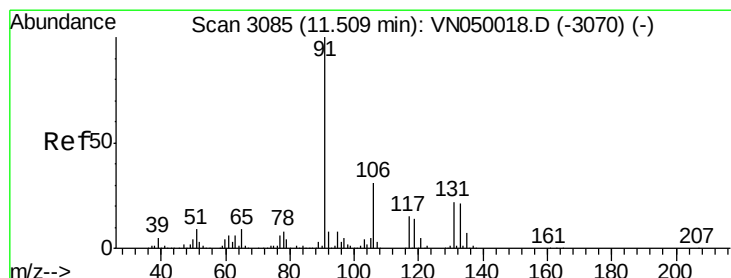
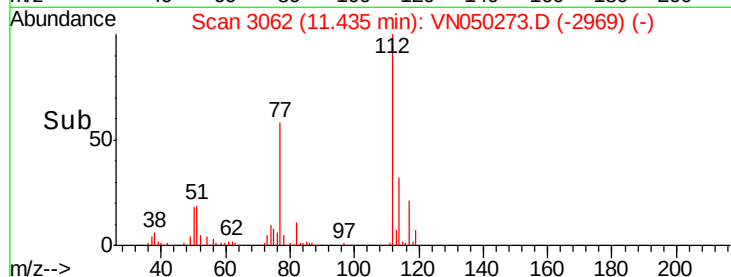
150000

100000

50000

0

Time--> 11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 22.04 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

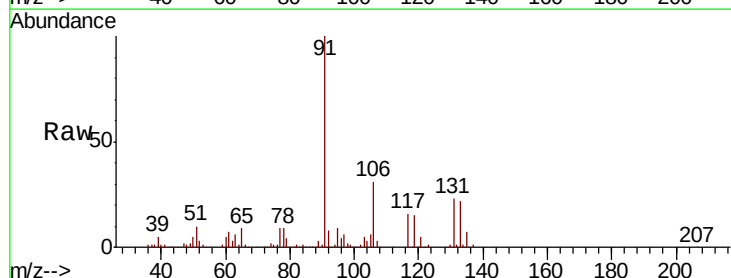
Tgt Ion:131 Resp: 165684

Ion Ratio Lower Upper

131 100

133 95.2 47.3 141.9

119 65.3 32.9 98.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

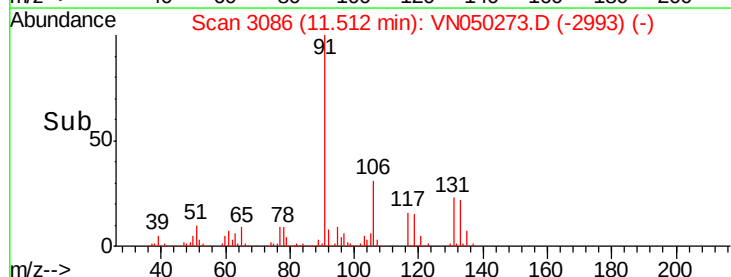
150000

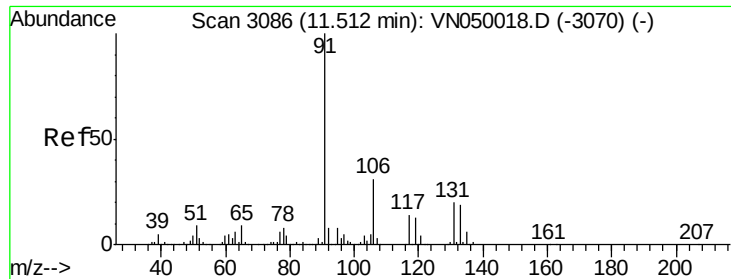
100000

50000

0

Time--> 11.45 11.50 11.55 11.60

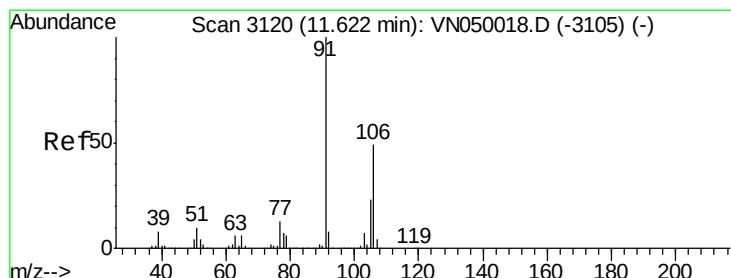
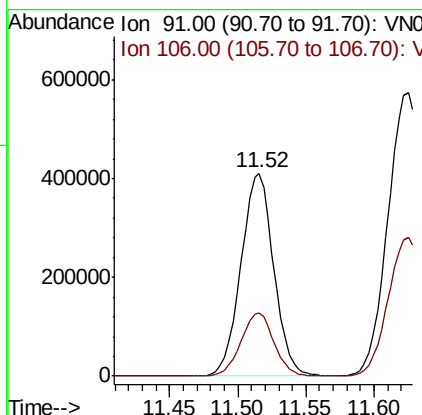
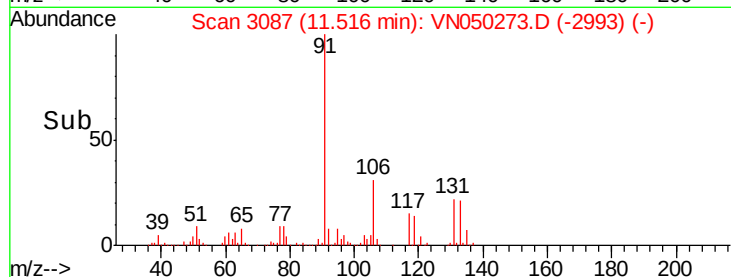
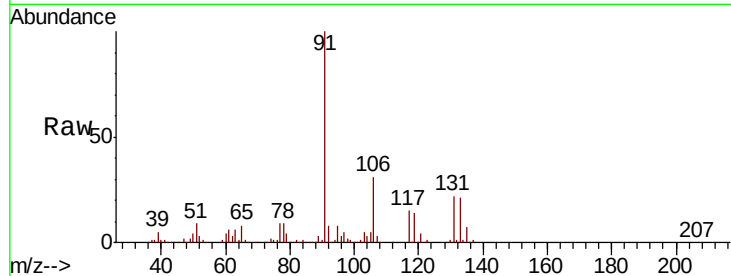




#67
Ethyl Benzene
Concen: 21.77 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

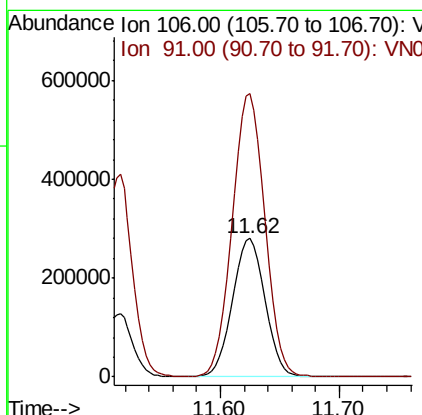
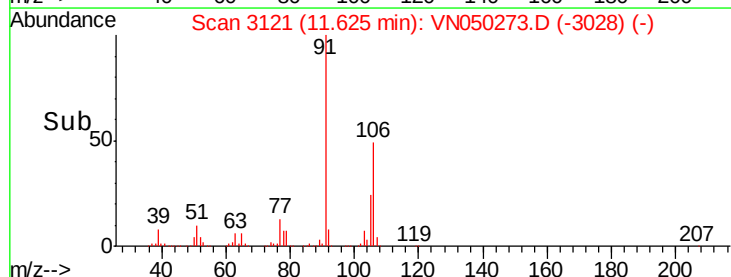
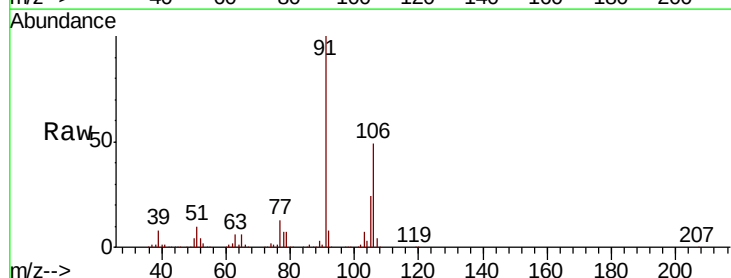
Instrument :
MSVOA_N
ClientSampled :
VN0802MBSD01

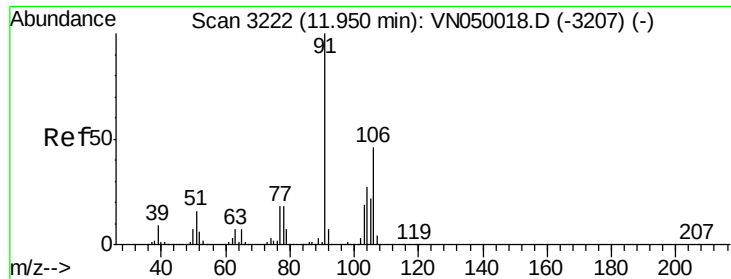
Tot Ion: 91 Resp: 684100
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.4



#68
m/p-Xylenes
Concen: 44.77 ug/l
RT: 11.62 min Scan# 3121
Delta R.T. -0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

Tgt Ion: 106 Resp: 532151
Ion Ratio Lower Upper
106 100
91 204.7 162.2 243.2

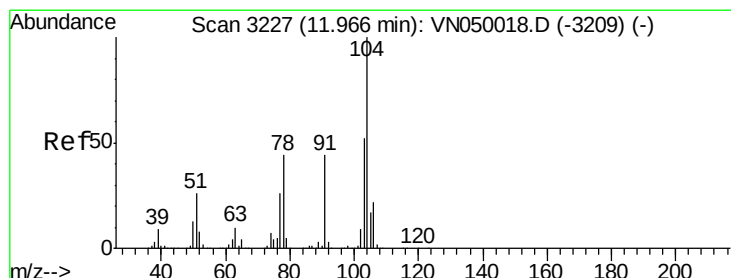
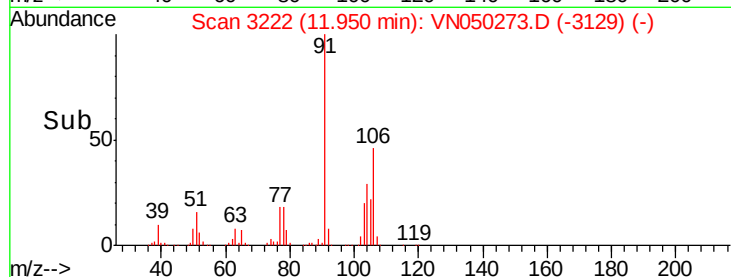
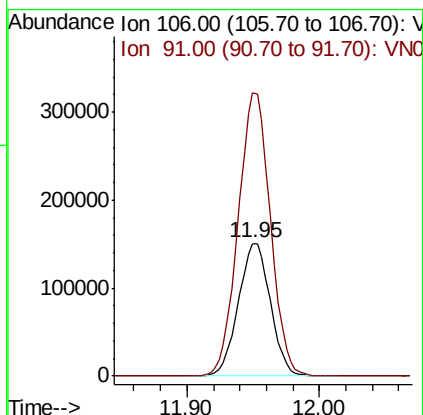
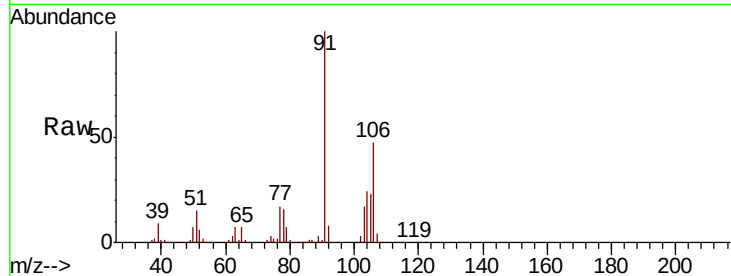




#69
o-Xylene
Concen: 22.34 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

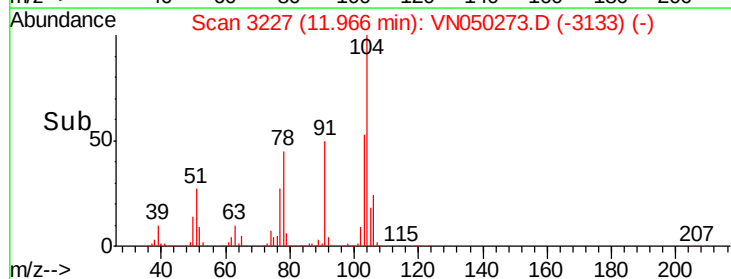
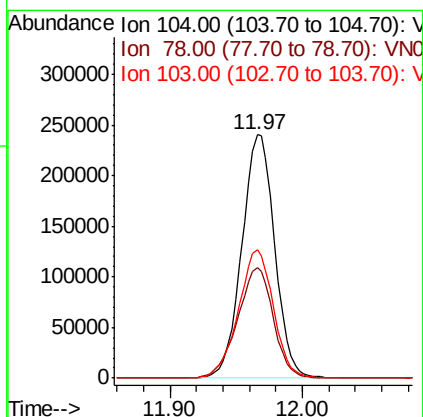
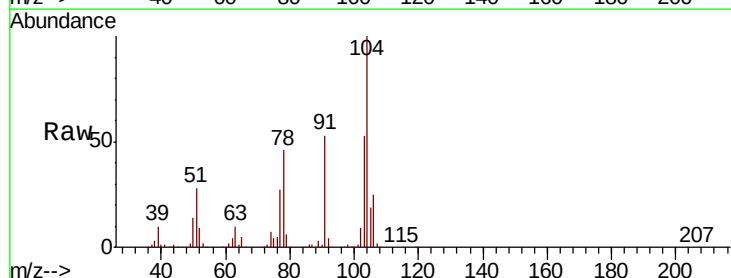
Instrument :
MSVOA_N
ClientSampleId :
VN0802MBSD01

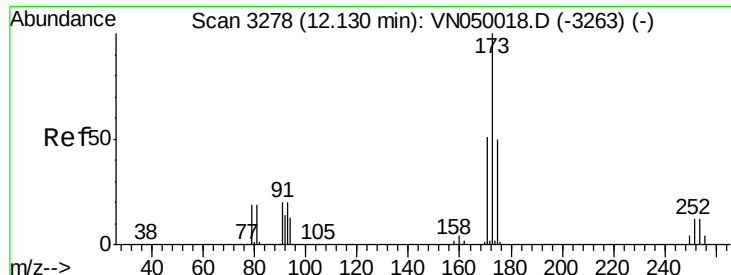
Tot Ion:106 Resp: 253088
Ion Ratio Lower Upper
106 100
91 215.1 107.7 323.1



#70
Styrene
Concen: 21.03 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

Tgt Ion:104 Resp: 412729
Ion Ratio Lower Upper
104 100
78 49.4 39.3 58.9
103 56.1 45.0 67.6





#71

Bromoform

Concen: 23.15 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0802MBSD01

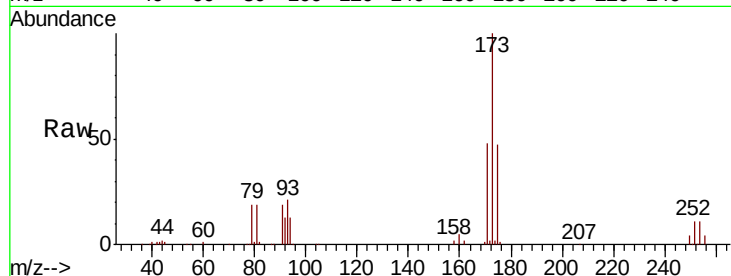
Tot Ion:173 Resp: 126555

Ion Ratio Lower Upper

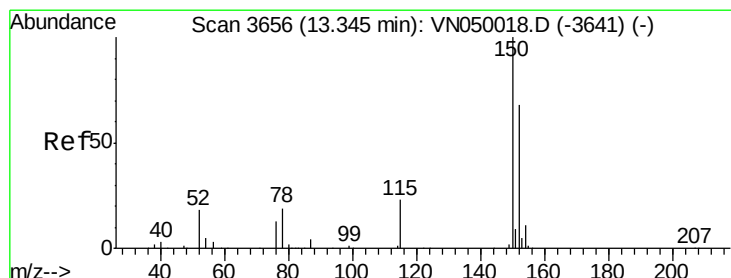
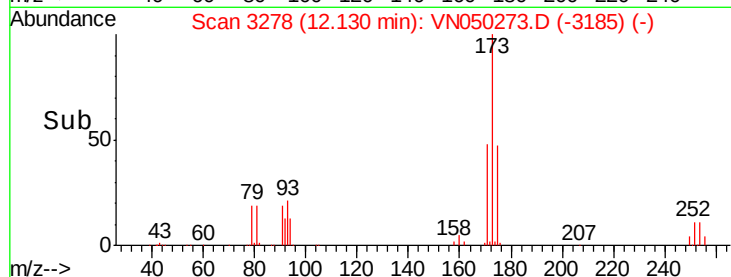
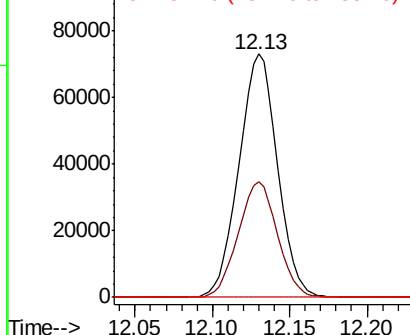
173 100

175 48.3 24.1 72.2

254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

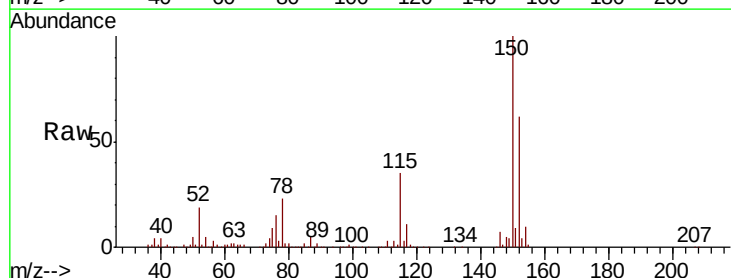
Tgt Ion:152 Resp: 396496

Ion Ratio Lower Upper

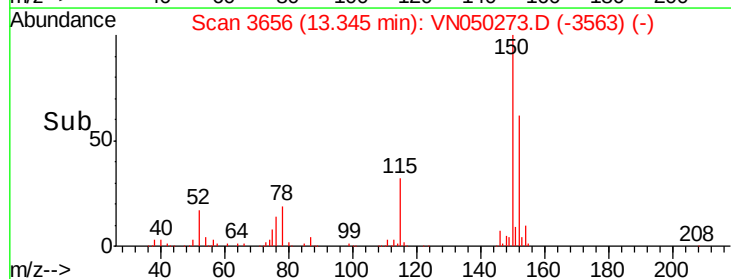
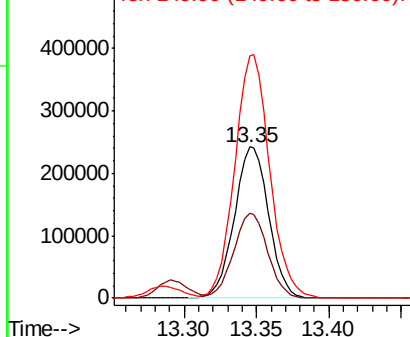
152 100

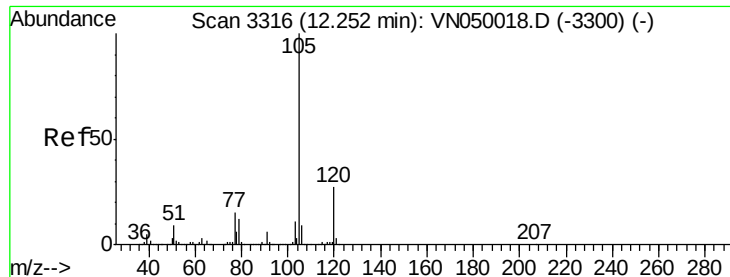
115 56.0 27.8 83.3

150 164.7 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.01 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

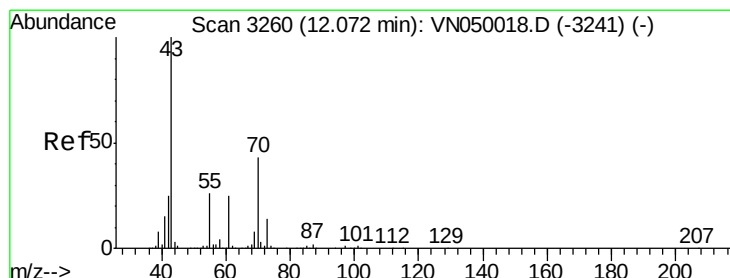
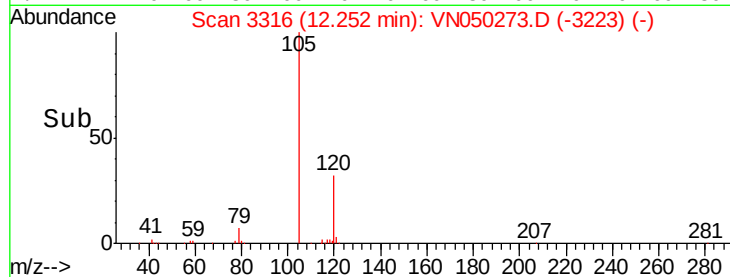
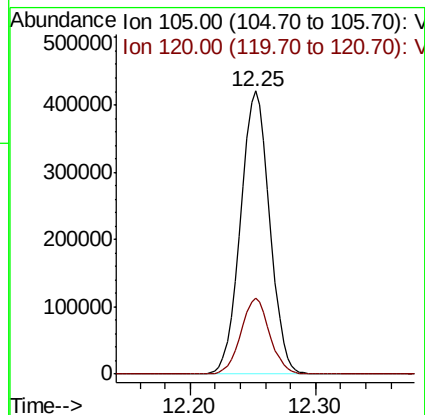
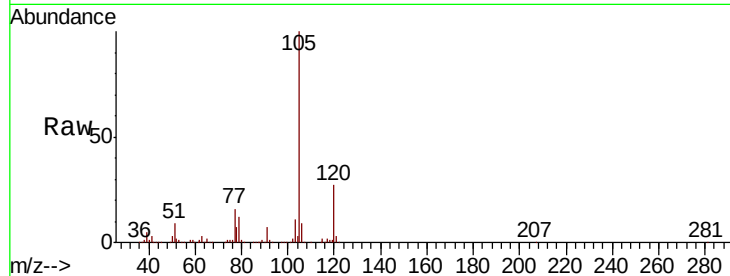
VN0802MBSD01

Tot Ion:105 Resp: 676755

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



#74

N-ethyl acetate

Concen: 23.41 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Tgt Ion: 43 Resp: 220034

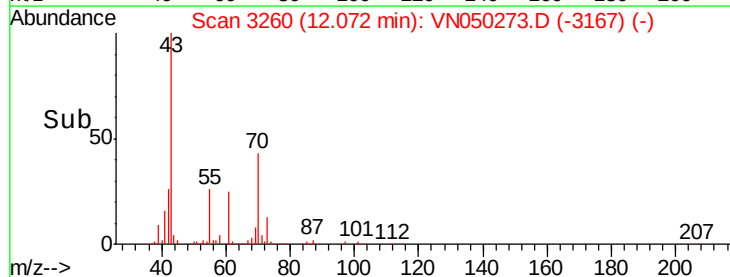
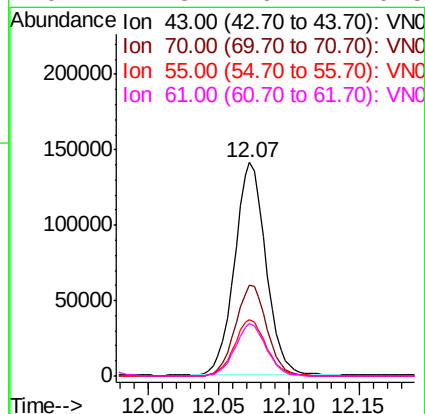
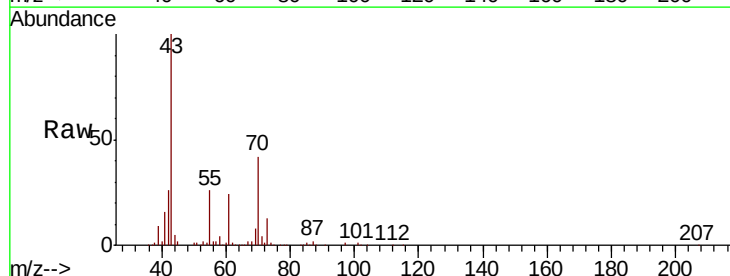
Ion Ratio Lower Upper

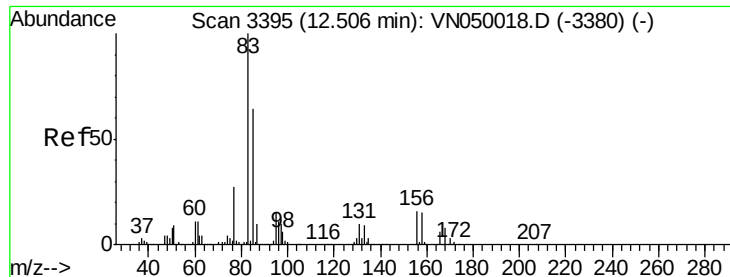
43 100

70 43.1 34.4 51.6

55 27.1 20.8 31.2

61 24.3 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 25.96 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0802MBSD01

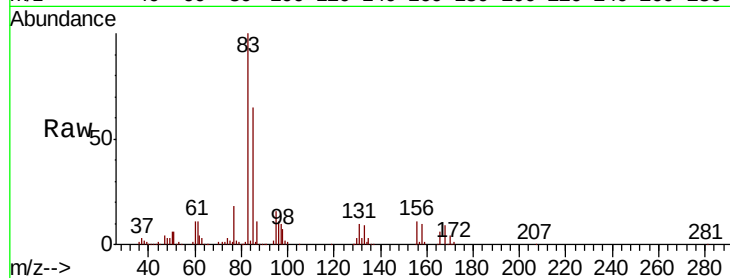
Tot Ion: 83 Resp: 220188

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.3

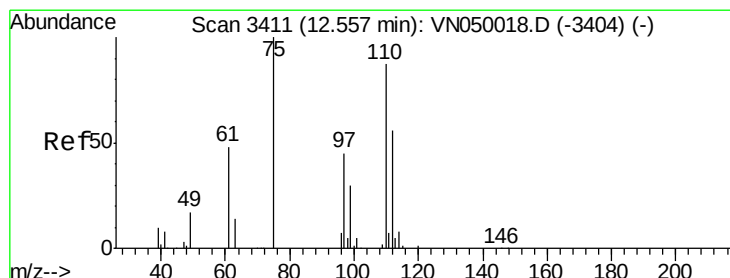
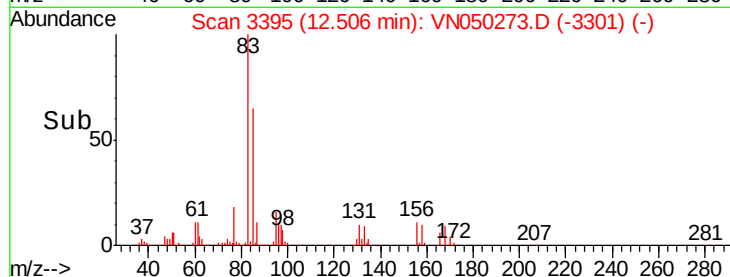
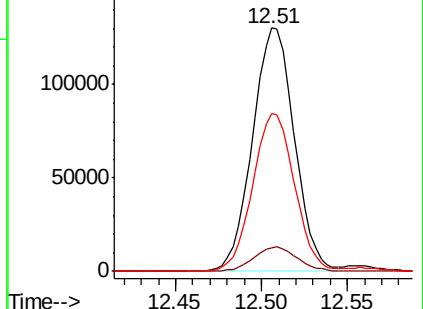
85 64.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 33.93 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN050273.D

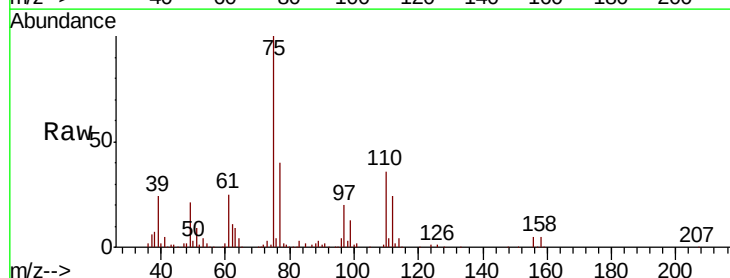
Acq: 2 Aug 2018 19:04

Tgt Ion: 75 Resp: 250033

Ion Ratio Lower Upper

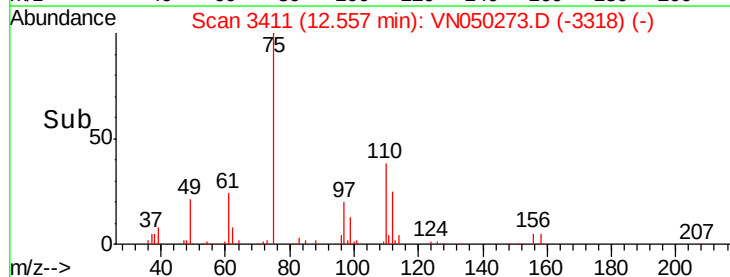
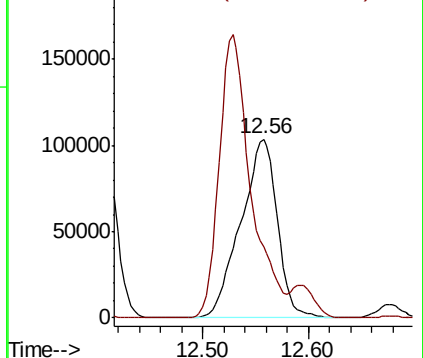
75 100

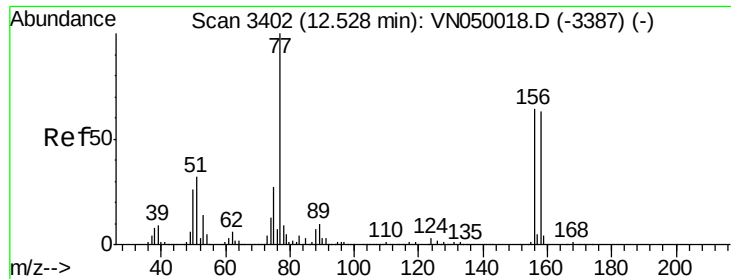
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

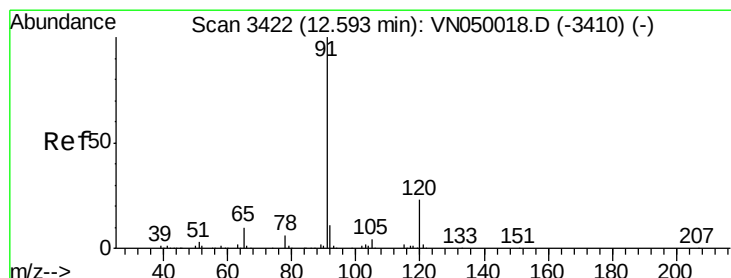
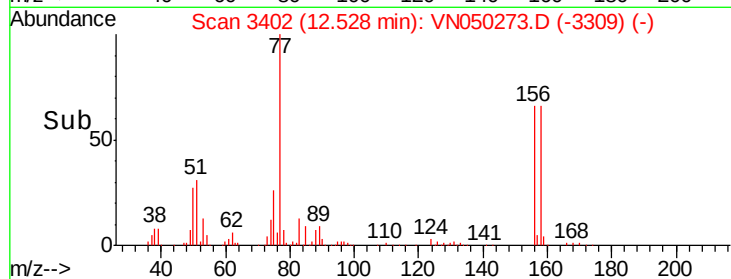
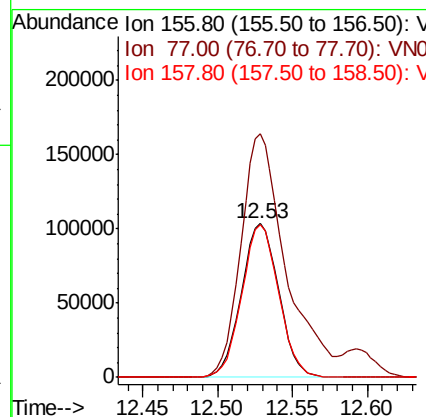
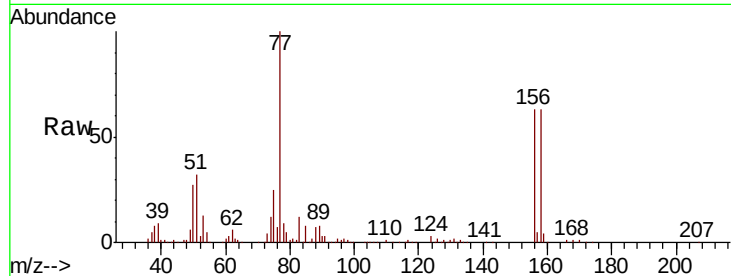




#77
Bromobenzene
Concen: 21.13 ug/l
RT: 12.53 min Scan# 3402
Delta R.T. -0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

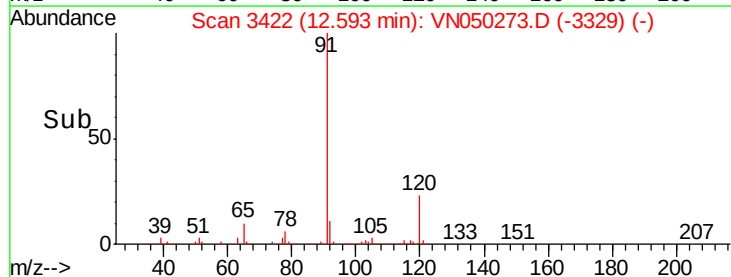
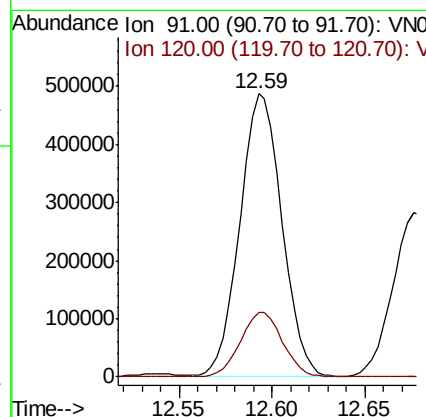
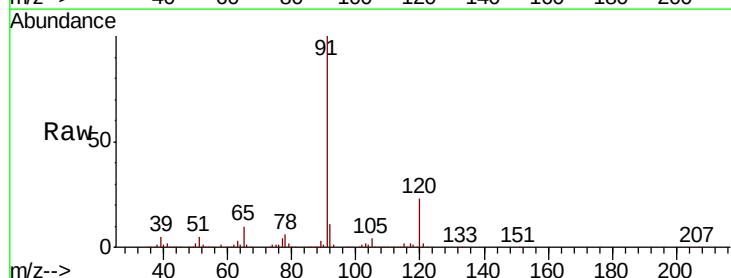
Instrument :
MSVOA_N
ClientSampleId :
VN0802MBSD01

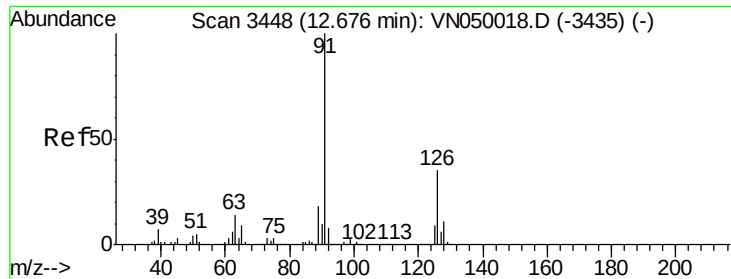
Tot Ion:156 Resp: 180108
Ion Ratio Lower Upper
156 100
77 190.3 91.7 275.1
158 98.0 48.9 146.6



#78
n-propylbenzene
Concen: 22.14 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

Tgt Ion: 91 Resp: 761040
Ion Ratio Lower Upper
91 100
120 23.0 11.6 34.7





#79

2-Chlorotoluene

Concen: 22.17 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

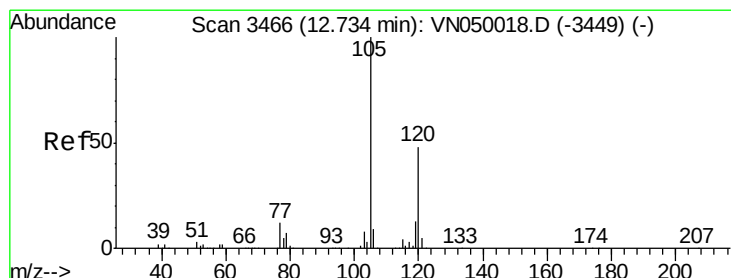
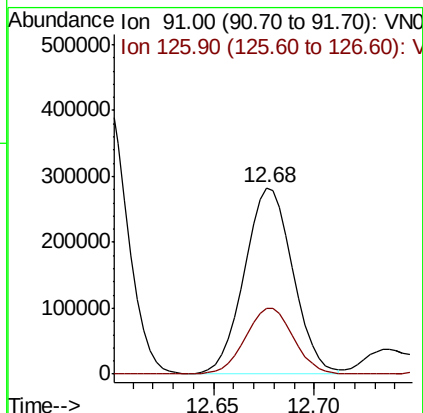
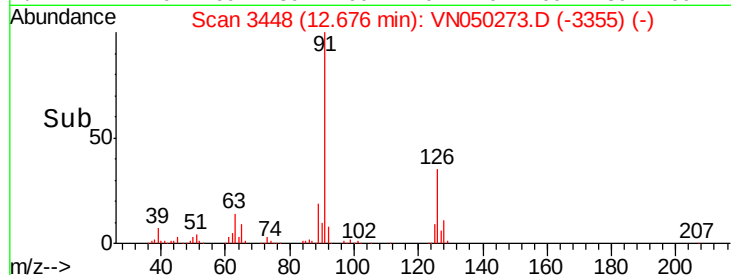
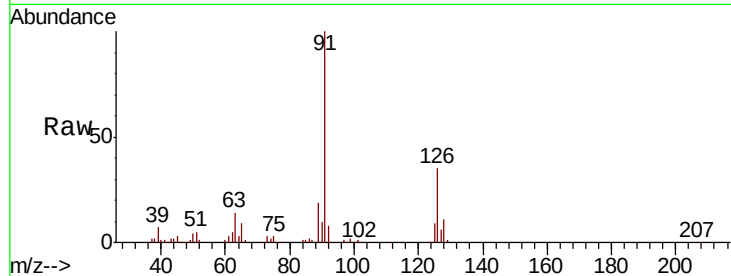
VN0802MBSD01

Tot Ion: 91 Resp: 472268

Ion Ratio Lower Upper

91 100

126 35.4 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 23.01 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050273.D

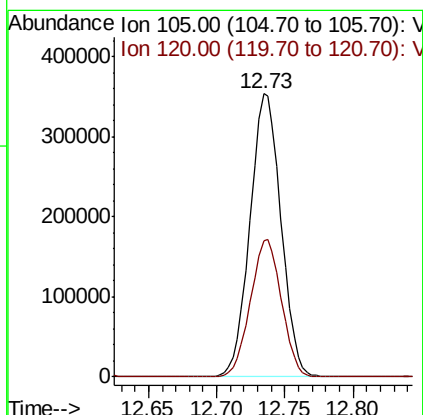
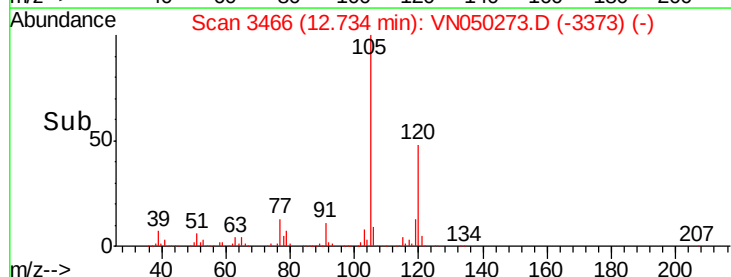
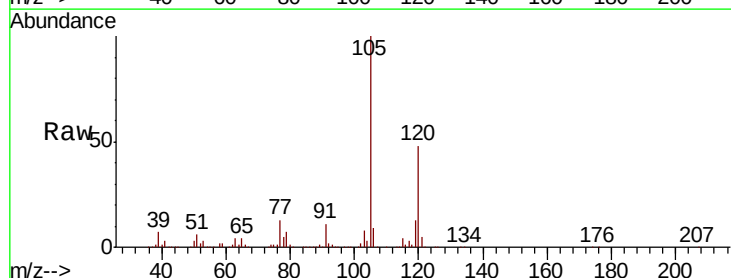
Acq: 2 Aug 2018 19:04

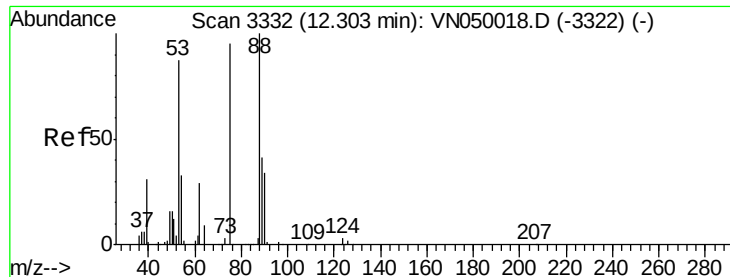
Tgt Ion: 105 Resp: 556597

Ion Ratio Lower Upper

105 100

120 48.6 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 22.52 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0802MBS01

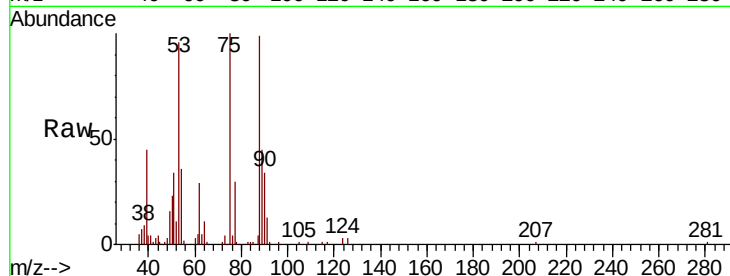
Tot Ion: 75 Resp: 52328

Ion Ratio Lower Upper

75 100

53 96.3 73.5 110.3

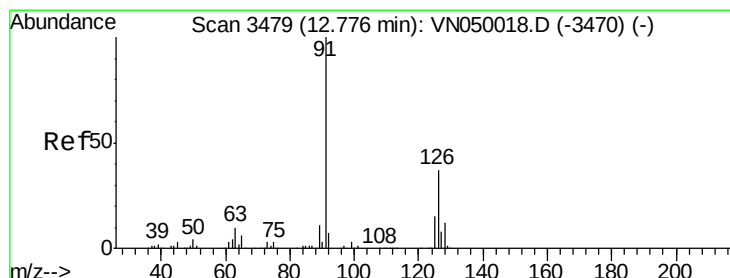
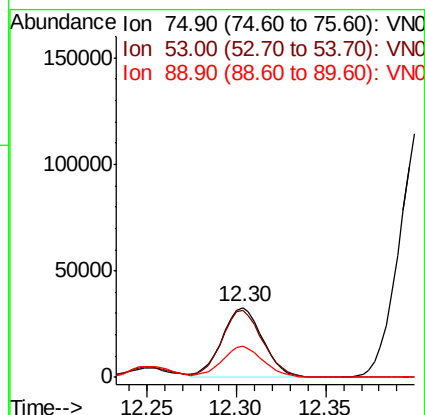
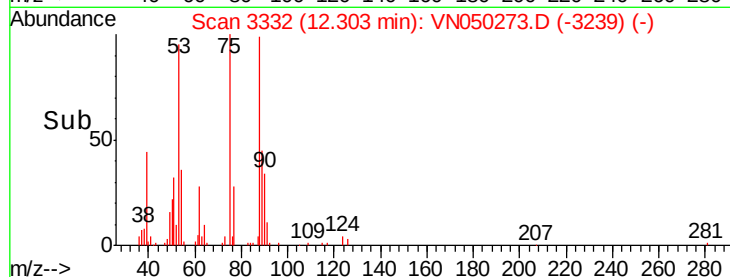
89 44.8 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 22.15 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. -0.00 min

Lab File: VN050273.D

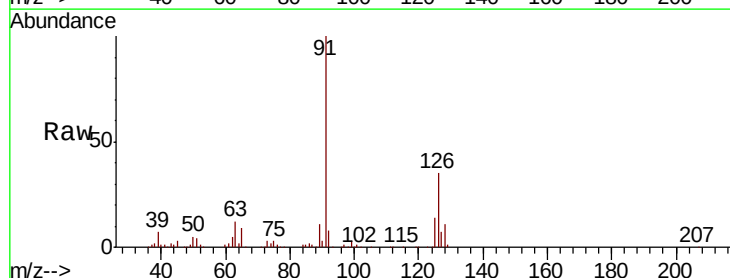
Acq: 2 Aug 2018 19:04

Tgt Ion: 91 Resp: 467347

Ion Ratio Lower Upper

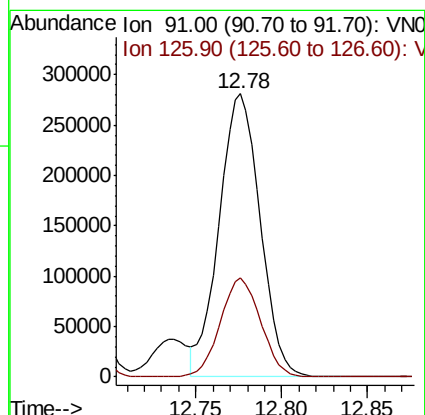
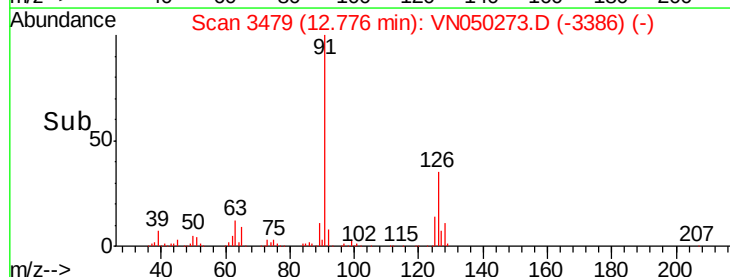
91 100

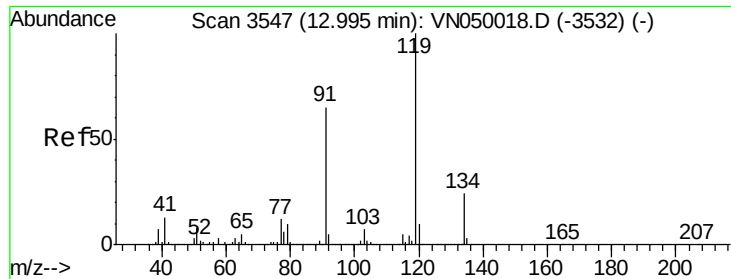
126 34.4 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

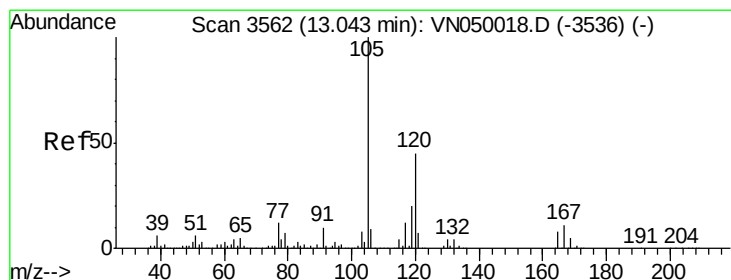
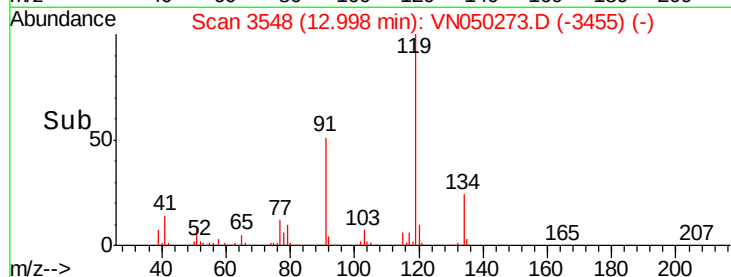
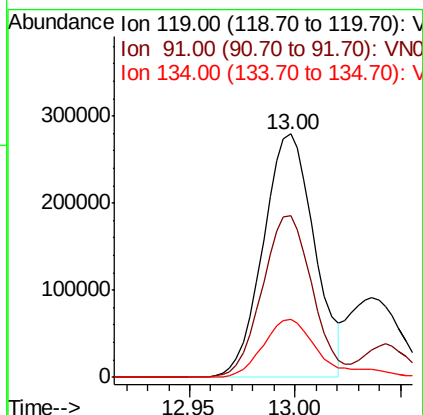
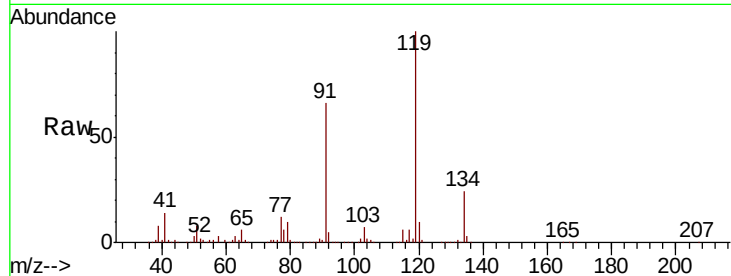




#83
 tert-Butylbenzene
 Concen: 22.35 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. -0.00 min
 Lab File: VN050273.D
 Acq: 2 Aug 2018 19:04

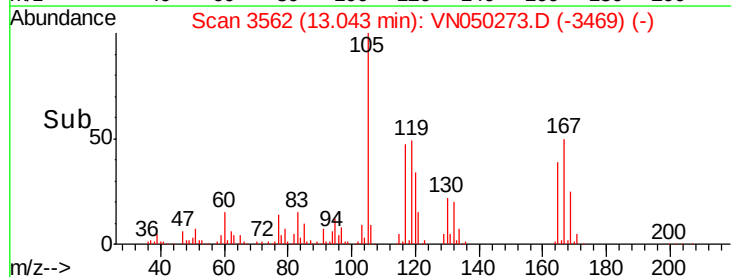
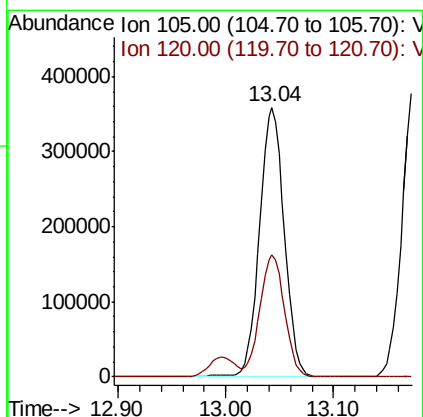
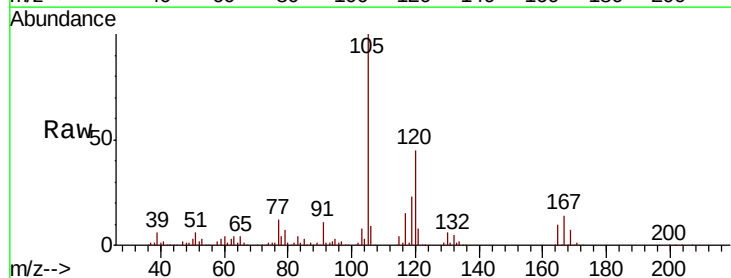
Instrument :
 MSVOA_N
 ClientSampled :
 VN0802MBSD01

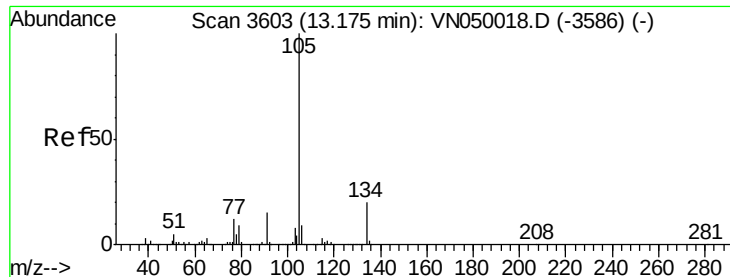
Tot Ion:119 Resp: 471695
 Ion Ratio Lower Upper
 119 100
 91 64.7 32.1 96.3
 134 26.8 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 23.41 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. -0.00 min
 Lab File: VN050273.D
 Acq: 2 Aug 2018 19:04

Tgt Ion:105 Resp: 570687
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.9 68.7





#85

sec-Butylbenzene

Concen: 22.40 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

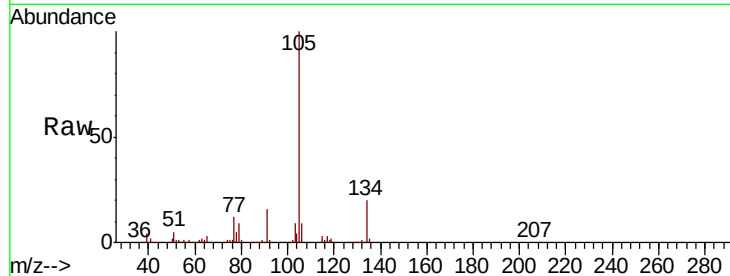
VN0802MBSD01

Tot Ion:105 Resp: 631759

Ion Ratio Lower Upper

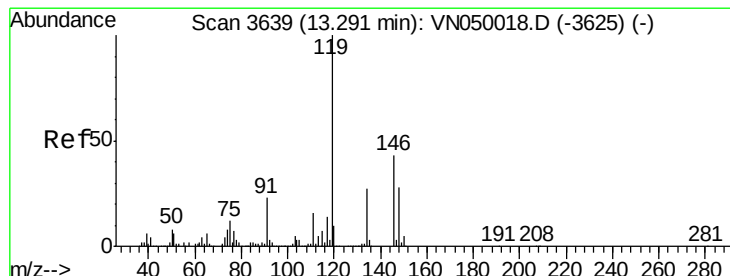
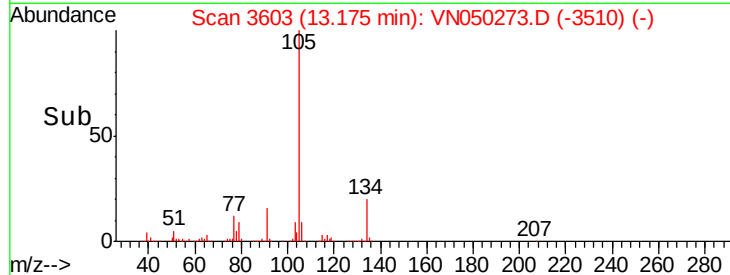
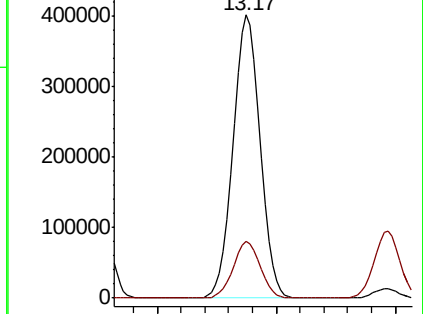
105 100

134 20.1 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.45 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

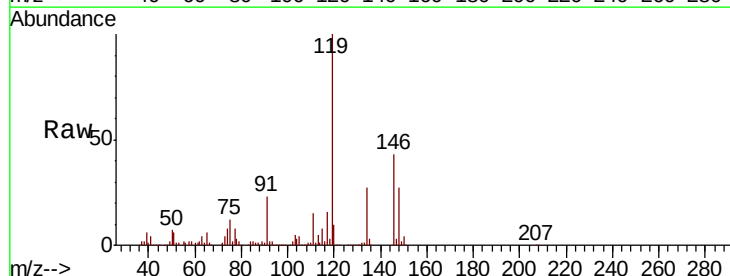
Tgt Ion:119 Resp: 533474

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

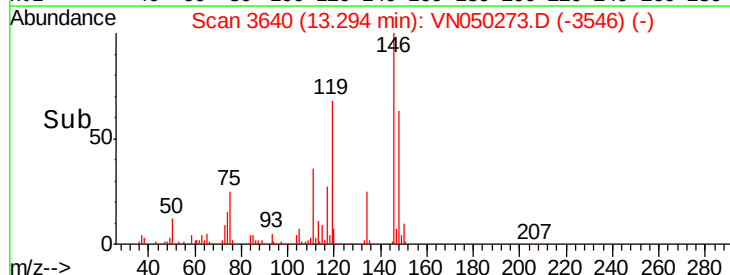
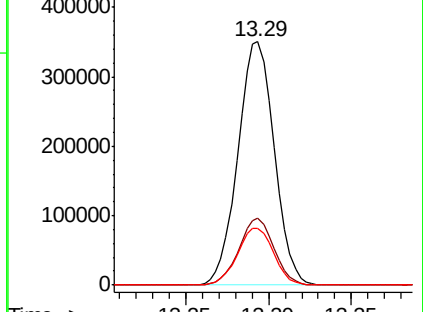
91 23.3 11.4 34.2

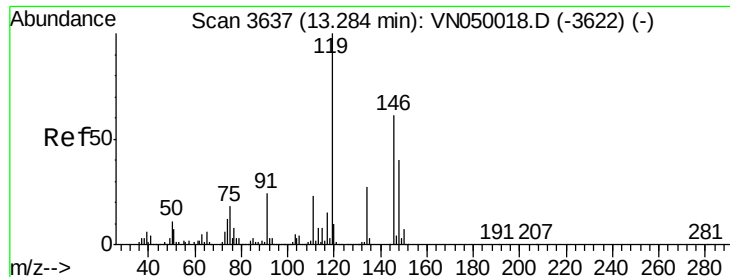


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.50 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0802MBSD01

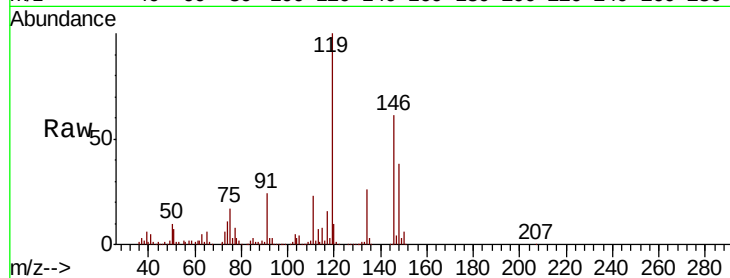
Tot Ion:146 Resp: 310687

Ion Ratio Lower Upper

146 100

111 38.0 18.8 56.4

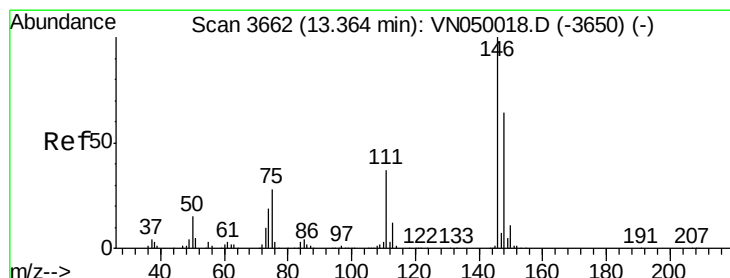
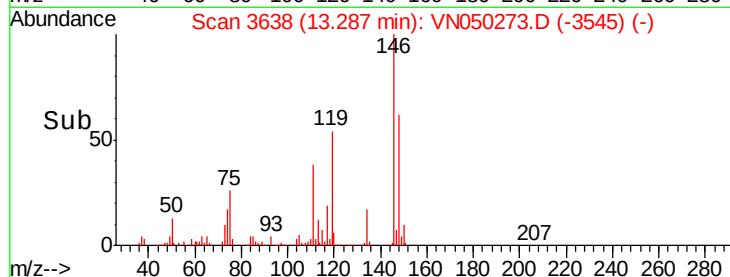
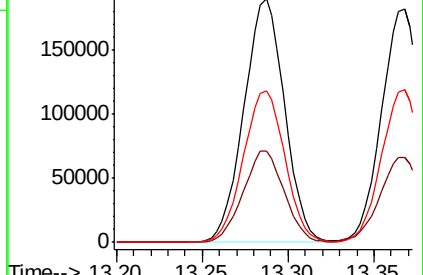
148 63.6 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.34 ug/l

RT: 13.37 min Scan# 3663

Delta R.T. 0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

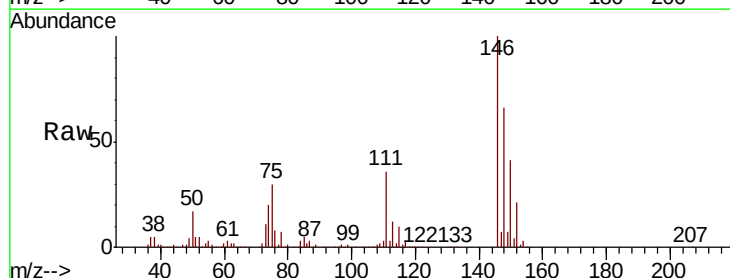
Tgt Ion:146 Resp: 300554

Ion Ratio Lower Upper

146 100

111 37.8 18.3 54.9

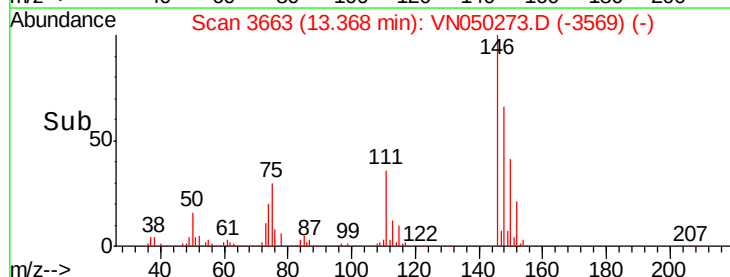
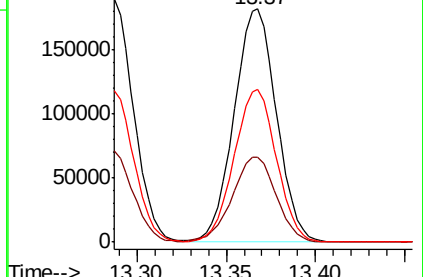
148 65.4 31.9 95.9

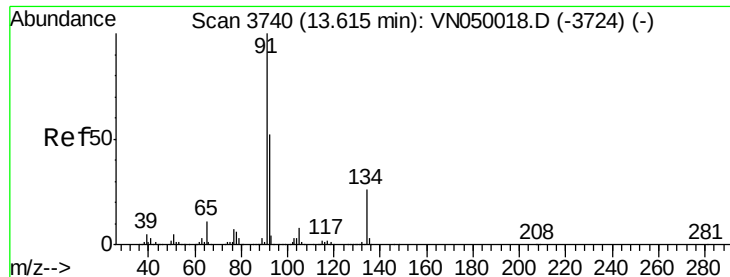


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

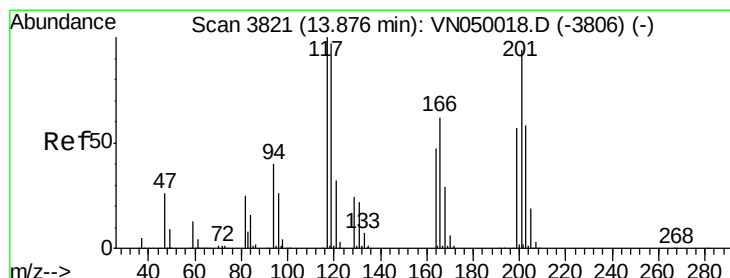
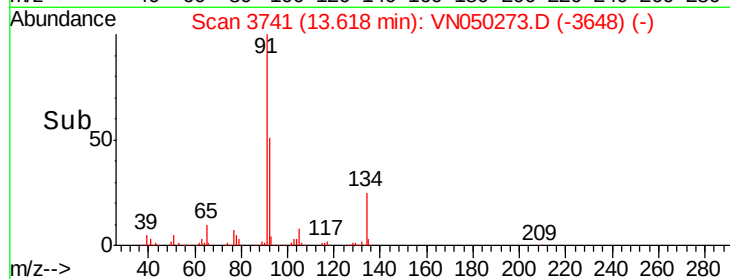
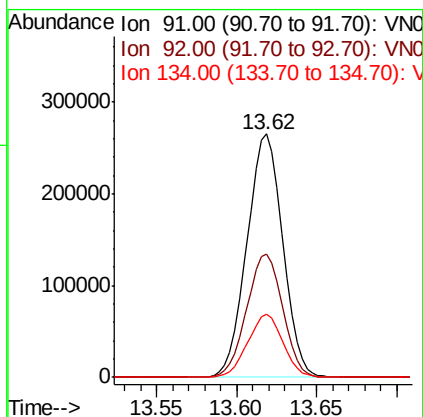
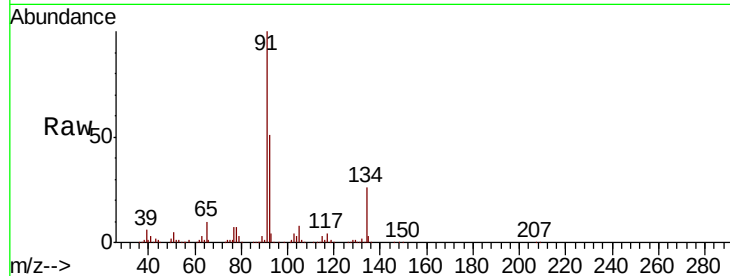




#89
n-Butylbenzene
Concen: 20.88 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. -0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

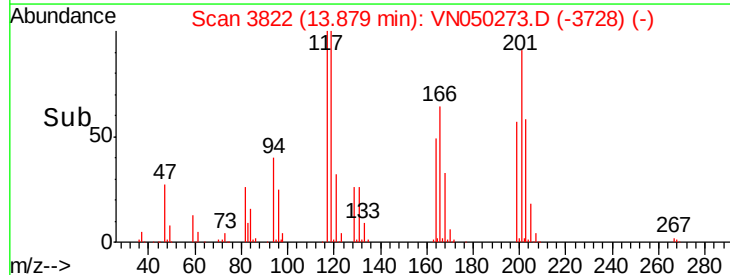
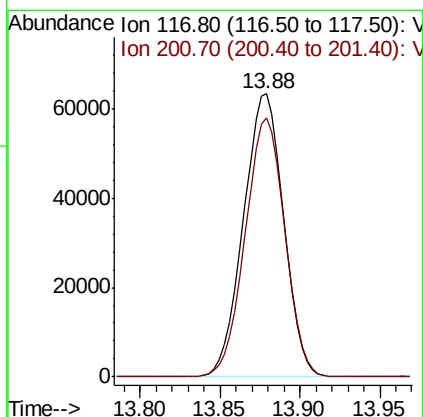
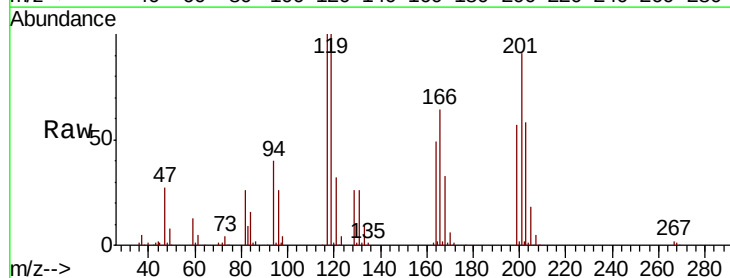
Instrument :
MSVOA_N
ClientSampled :
VN0802MBSD01

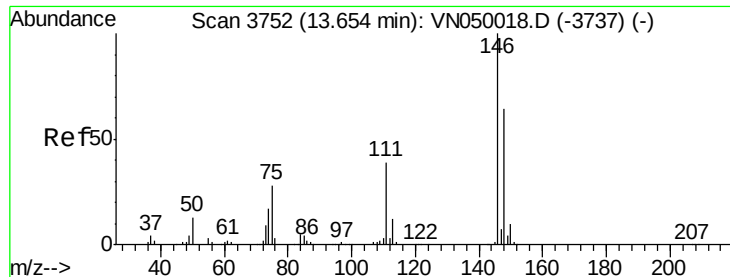
Tot Ion: 91 Resp: 408097
Ion Ratio Lower Upper
91 100
92 50.8 25.8 77.4
134 25.5 12.8 38.4



#90
Hexachloroethane
Concen: 20.65 ug/l
RT: 13.88 min Scan# 3822
Delta R.T. 0.00 min
Lab File: VN050273.D
Acq: 2 Aug 2018 19:04

Tgt Ion: 117 Resp: 108962
Ion Ratio Lower Upper
117 100
201 90.3 45.6 136.8

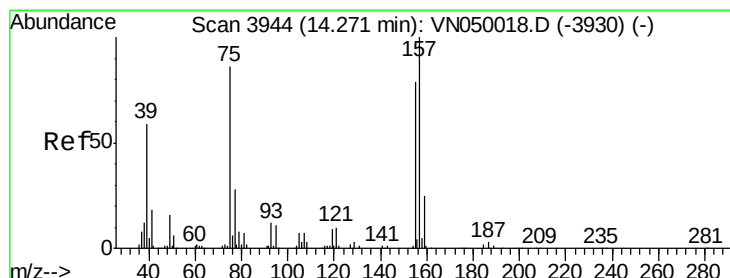
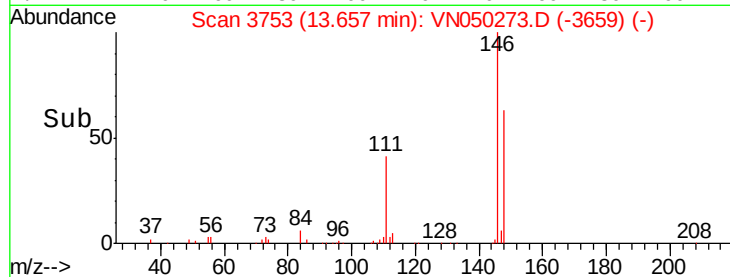
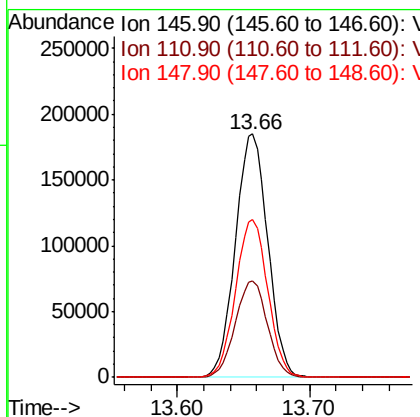
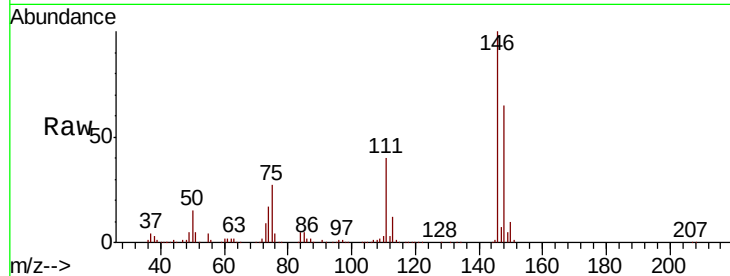




#91
 1,2-Dichlorobenzene
 Concen: 21.68 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN050273.D
 Acq: 2 Aug 2018 19:04

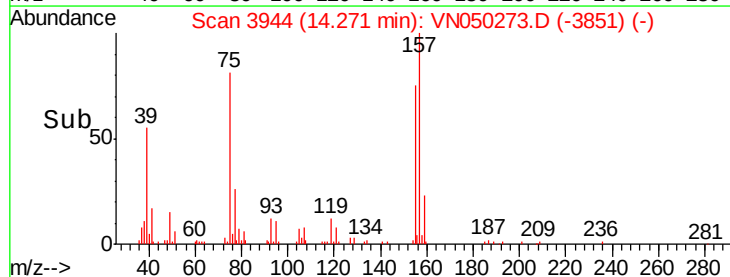
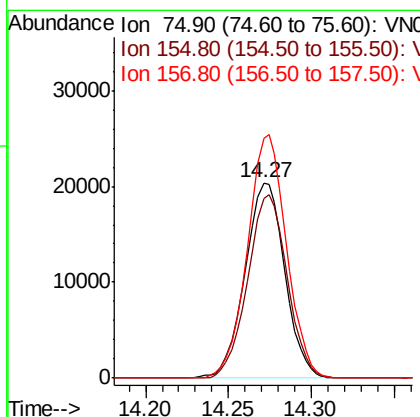
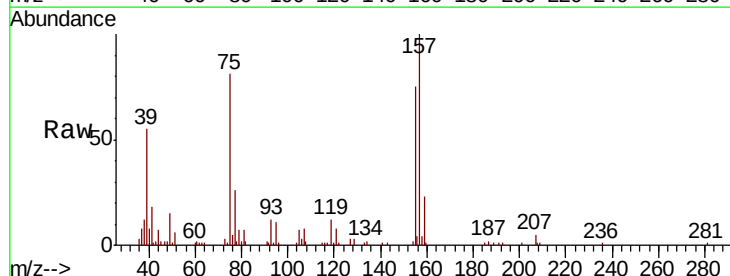
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802MBSD01

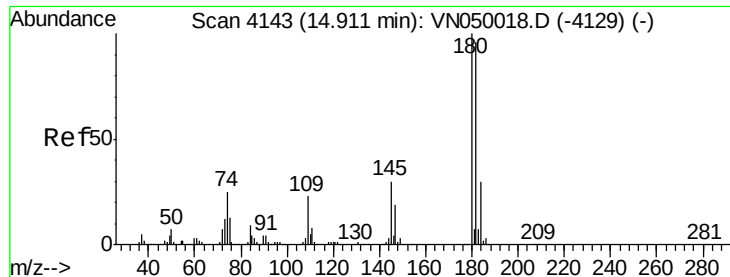
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.6	58.7
148	64.6	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.44 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050273.D
 Acq: 2 Aug 2018 19:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.0	44.8	134.4
157	122.1	57.2	171.6

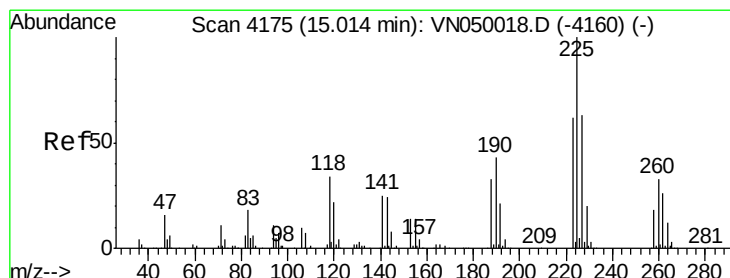
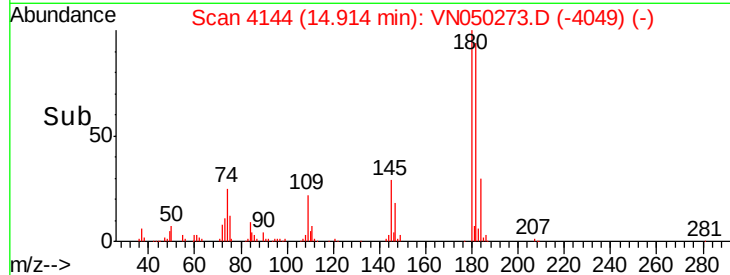
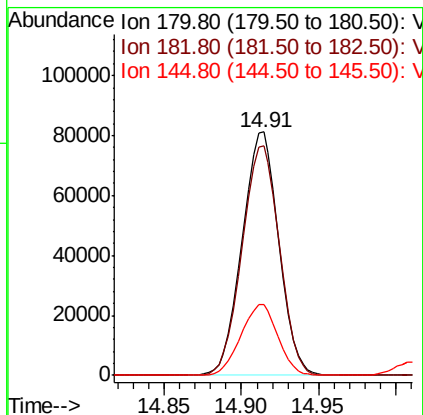
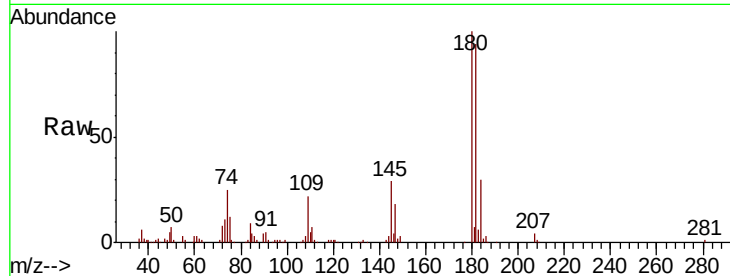




#93
 1,2,4-Trichlorobenzene
 Concen: 19.48 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN050273.D
 Acq: 2 Aug 2018 19:04

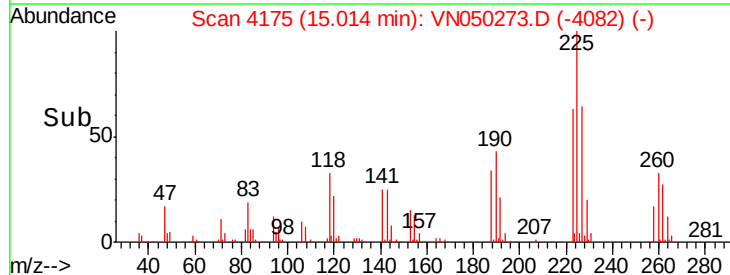
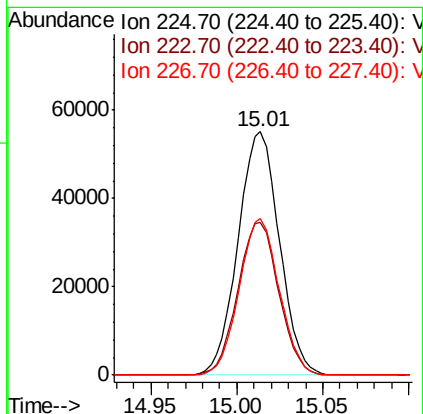
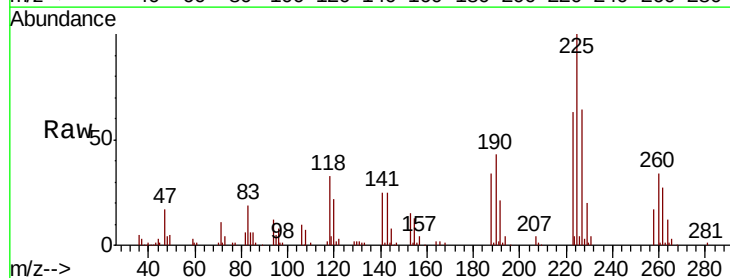
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802MBSD01

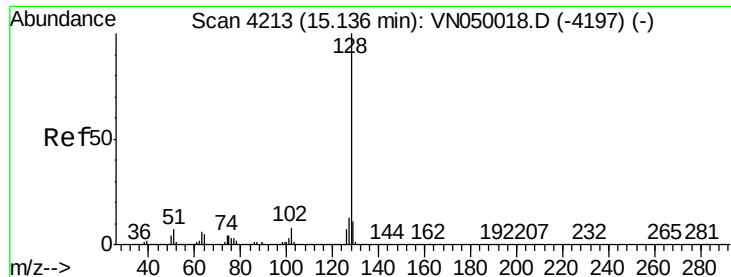
Tot Ion:180 Resp: 133797
 Ion Ratio Lower Upper
 180 100
 182 96.2 46.7 140.1
 145 29.3 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 20.80 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. -0.00 min
 Lab File: VN050273.D
 Acq: 2 Aug 2018 19:04

Tgt Ion:225 Resp: 91971
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.4 94.2
 227 62.2 32.1 96.5





#95

Naphthalene

Concen: 20.16 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0802MBSD01

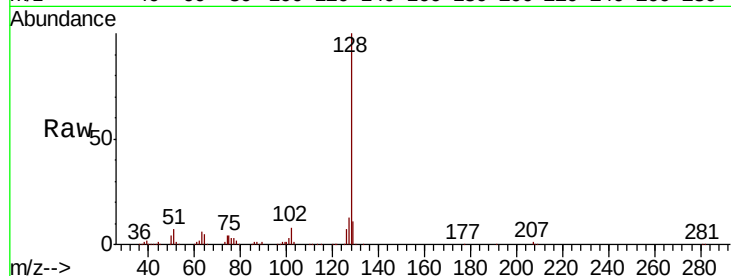
Tot Ion:128 Resp: 312698

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

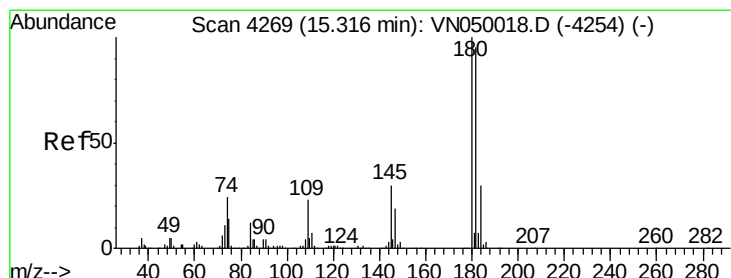
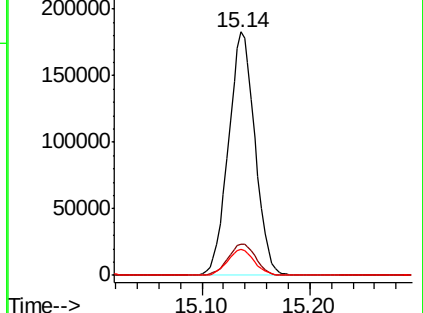
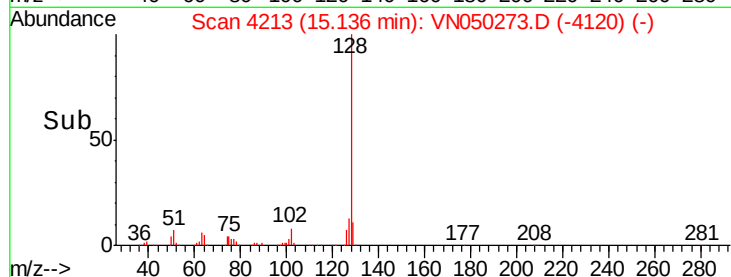
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.60 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050273.D

Acq: 2 Aug 2018 19:04

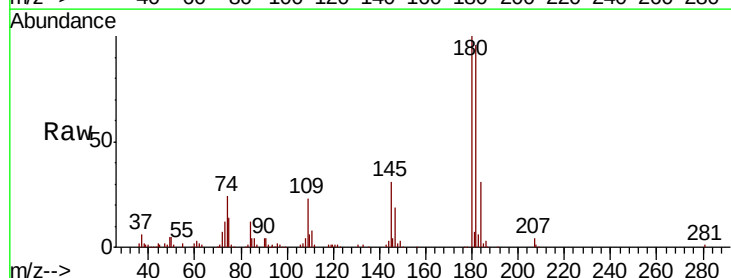
Tgt Ion:180 Resp: 143562

Ion Ratio Lower Upper

180 100

182 97.8 48.1 144.4

145 31.1 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

